

SOLAR ENERGY CORPORATION OF INDIA

(A GOVERNMENT OF INDIA ENTERPRISE)

INVITES REQUEST FOR SELECTION OF BIDDERS (RFS)

FOR

IMPLEMENTATION OF GRID CONNECTED ROOF TOP SOLAR
PV SYSTEM SCHEME IN SELECTED CITIES/STATES IN INDIA
(PHASE-II)

RFS No: SECI/Cont./SRT-II/58/2013 Dated: 01.05.2013



SOLAR ENERGY CORPORATION OF INDIA (SECI)
NBCC PLAZA, TOWER-I, IVTH-FLOOR, SECTOR-V, SAKET
NEW DELHI-110 017, INDIA.

Telephone No & Fax No: 91-11- 29564033/36 & 29563834

MNRE Website: www.mnre.gov.in

Email: secicontracts@yahoo.com

May-2013



SOLAR ENERGY CORPORATION OF INDIA

(A Government of India Enterprise)

RFS No: SECI/Cont./SRT-II/58/ /2013

Date: 01-5-2013

Under the directions of “MNRE”, Solar Energy Corporation of India (hereinafter called “SECI”), invites project developers, MNRE channel partners, Technology providers, System integrators, Renewable Energy Service Companies(RESCO), EPC Contractors to participate in the Request for Selection (RFS) for design, manufacture, supply, erection, testing and commissioning including warranty, operation & maintenance for a period of 2 years of Roof Top Solar PV power system in selected Cities/States in India.

For the implementation of above mentioned work, Bidders should submit their bid proposal along with all supporting documents complete in all aspect on or before 30-05-2013 up to 2.30 p.m. in the office of “SECI” in prescribed format.

Bidder shall submit bid proposal along with non-refundable processing fee of Rs. 5000/- (Rupees Five thousand only) for each city in the form of DD issued in favour of “**Solar Energy Corporation of India**”, payable at New Delhi. Techno-Commercial Bids will be opened on 30-5-2013 at 3:00 p.m. in presence of authorised representatives of bidders who wish to be present. Bid proposals received without the prescribed processing fees and Bid Bond will be rejected. In the event of any date indicated above is a declared Holiday, the next working day shall become operative for the respective purpose mentioned herein.

Bid documents which include Detailed eligibility criteria, technical specifications, various conditions of contract, various formats, etc, can be collected in person from the office of Solar Energy Corporation of India, New Delhi w.e.f 01-5-2013 to 29-5-2013 in official (10.30A.M to 5.00P.M) working hours against written request and can also be downloaded from official website of MNRE, www.mnre.gov.in. Any amendment (s)/corrigendum/Clarifications with respect to this Bid document shall be uploaded on MNRE website only. The applicants should regularly follow up for any amendment/corrigendum/clarification on the website

Dy.Manager (Contracts)

BID INFORMATION SHEET

<i>Bid Description</i>	Implementation of Grid connected Roof Top Solar PV System Scheme in Selected Cities/States in India (Phase-II)
<i>Pre-Bid Conference/Clarification meeting</i>	A pre-bid conference shall be held on 08.5.2013 at 11:00 A.M. at SECI office ,4 th floor, Tower-1, NBCC Plaza, Pushp Vihar, Sector-V, Saket, New Delhi-110017
<i>Bid Deadline</i>	30.5.2013 up to 2.30 PM
<i>Date of Techno-Commercial bids opening</i>	30.5.2013 at 3:00 PM
<i>Bid processing fee</i>	Rs. 5,000/- (Rs. Five Thousand only) for each city to be furnished through Demand Draft (DD) along with Bid.
<i>Validity of Bid</i>	12 months after the date of Techno-Commercial Bid Opening.
<i>Bid Bond</i>	Based on the proposed capacity the bidder has to furnish the Bid Bond along with the bid for each city. Please refer Clause 1.11 of Section -I
<i>Performance Security(PBG)</i>	Equivalent to Bid Bond amount shall be furnished for each city at the time of Notification of Award of work by SECI. Please refer Clause 1.12 of Section -I
<i>Bid Process</i>	Single stage, Two Part (Techno-Commercial Bid & Price Bid)

DEFINITIONS & ABBREVIATIONS

In the “Bid/Tender/ Contract Document” as herein defined where the context so admits, the following words and expression will have the following meaning:

- a. “ **Affiliate**” shall mean a company that either directly or indirectly
 - i. controls or
 - ii. is controlled by or
 - iii. is under common control witha Bidding Company (in the case of a single company) or a Member (in the case of a Consortium) and “**control**” means ownership by one company of at least twenty six percent (26%) of the voting rights of the other company.
- b. “**B.I.S**” shall mean specifications of Bureau of Indian Standards (BIS);
- c. “**Bid**” shall mean the Techno Commercial and the Price Bid submitted by the Bidder along with all documents/credentials/attachments annexure etc., in response to this RFS, in accordance with the terms and conditions hereof.
- d. “**Bidder**” shall mean Bidding Company or a Bidding Consortium submitting the Bid. Any reference to the Bidder includes Bidding Company / Bidding Consortium / Consortium, Member of a Bidding Consortium including its successors, executors and permitted assigns and Lead Member of the Bidding Consortium jointly and severally, as the context may require”;
- e. “**Bidding Consortium or “Consortium**” shall refer to a group of companies that has collectively submitted the Bid in accordance with the provisions of this RFS;
- f. “**Bid Bond**” shall mean the unconditional and irrevocable bank guarantee to be submitted along with the Bid by the Bidder under Clause 1.11 of this RFS, as per the prescribed Format- 5;
- g. “**Bidding Company**” shall refer to such single company that has submitted the Bid in accordance with the provisions of this RFS;
- h. “**Bid Deadline**” shall mean the last date and time for submission of Bid in response to this RFS as specified in Bid information Sheet;
- i. “**Bid capacity**” means: capacity for which Bidder has submitted the proposal;
- j. “**CREDA**” shall mean Chhattisgarh State Renewable Energy Development Agency;
- k. “**CEA**” shall mean Central Electricity Authority.

- l. **“Chartered Accountant”** shall mean a person practicing in India or a firm whereof all the partners practicing in India as a Chartered Accountant(s) within the meaning of the Chartered Accountants Act, 1949;
- m. **“Competent Authority”** shall mean Managing Director (MD) of Solar Energy Corporation of India himself and/or a person or group of persons nominated by MD for the mentioned purpose herein;
- n. **“Company”** shall mean a body incorporated in India under the Companies Act, 1956;
- o. **“DNI”** shall mean Daily Normalized Irradiance;
- p. **“Eligibility Criteria”** shall mean the Eligibility Criteria as set forth in Clause 1.3 of this RFS;
- q. **“Financially Evaluated Entity”** shall mean the company which has been evaluated for the satisfaction of the Financial Eligibility Criteria set forth in Clause 1.3.4 hereof;
- r. **“IEC”** shall mean specifications of International Electro-technical Commission;
- s. **“Wp”** shall mean Watt Peak
- t. **“kWp”** shall mean Kilo-Watt Peak;
- u. **“kWh”** shall mean Kilo-Watt-hour;
- v. **“MNRE”** shall mean Ministry of New and Renewable Energy, Government of India;
- w. **“O&M”** shall mean Operation & Maintenance of Rooftop Solar PV system;
- x. **“Owner of the project”** shall mean anyone who has invested his 100% equity in the rooftop Or the Project Developer who has taken the roof on lease for 25 years.
- y. **“Project Price”** shall mean the price agreed between Bidder and the SECI to complete the project as defined in the Scope of work based on which subsidy amount will be calculated.
- z. **“Project capacity”** means Capacity in kWp offered by the Bidder consisting of single or multiple roof tops in a single campus. The project capacity specified is on “DC” output Side only.

- aa. **"RFS"** shall mean Request for Selection (RFS)/Bid document/Tender document
- bb. **"SECI"** shall mean Solar Energy Corporation of India, New Delhi (A Govt of India Enterprise) under MNRE;
- cc. **"SNA"** shall mean State Nodal Agency.
- dd. **"Subsidy"** shall mean 30% of total Project Price
- ee. **"Performance Ratio" (PR) means**
 "Performance Ratio" (PR) means the ratio of plant output versus installed plant capacity at any instance with respect to the radiation measured. $PR = (\text{Measured output} / \text{Installed Plant capacity}) * (1000 / \text{Measured radiation intensity in W/m}^2)$.
- ff. **"Capacity Utilization Factor" (CUF)** means the ratio of the annual output of the plant in kWh versus installed plant capacity for number of days. $CUF = \text{plant output in kWh} / (\text{installed plant capacity in kW} * 365 * 24)$
- gg. **"Lead Member of the Bidding Consortium" or "Lead Member"** shall mean the Member which fulfils the Financial Eligibility Criteria and submits the Bid and so designated by other Member(s) of the Bidding Consortium in accordance with the Consortium Agreement Specified in Format- 9 of this RFS;
- hh. **"Member of a Bidding Consortium" or "Member" or "Consortium Member"** shall mean each company in the Bidding Consortium which has executed the Consortium Agreement as provided in Format-9 of this RFS;
- ii. **"Minimum Bid Capacity"** shall mean 250 kWp which is the minimum capacity for which the Bidder is required to submit its Bid;
- jj. **"Maximum Bid Capacity"** shall mean 2MWp which is the maximum capacity for which the Bidder can submit its Bid;
- kk. **"Parent Company"** shall mean a company that holds at least twenty six percent (26%) of the paid-up equity capital directly or indirectly in the Bidding Company or in the Member of a Bidding Consortium, as the case may be;
- ll. **"Qualified Bidder/Project Developer"** shall mean the Bidder(s) who, after evaluation of their Techno Commercial Bid as per Clause 1.3 stand qualified for opening and evaluation of their Price Bid;
- mm. **"Statutory Auditor"** shall mean the auditor of a Company appointed under the provisions of the Companies Act, 1956 or under the provisions of any other applicable governing law;

- nn. **“Successful Bidder(s)”** shall mean the Bidder(s) selected by SECI pursuant to this RFS for Implementation of Grid Connected Roof Top Solar PV System as per the terms of the RFS Documents, and to whom a Allocation Letter has been issued;
- oo. **“Price Bid”** shall mean Envelope II of the Bid, containing the Bidder’s Quoted Price as per the Section- V of this RFS;
- pp. **“Ultimate Parent Company”** shall mean a company which directly or indirectly owns at least twenty six percent (26%) paid up equity capital in the Bidding Company or Member of a Consortium, (as the case may be) and/or in the Financially Evaluated Entity and such Bidding Company or Member of a Consortium, (as the case may be) and /or the Financially Evaluated Entity shall be under the direct control or indirectly under the common control of such company;

INTERPRETATIONS

1. Words comprising the singular shall include the plural & vice versa
2. An applicable law shall be construed as reference to such applicable law including its amendments or re-enactments from time to time.
3. A time of day shall save as otherwise provided in any agreement or document be construed as a reference to Indian Standard Time.
4. Different parts of this contract are to be taken as mutually explanatory and supplementary to each other and if there is any differentiation between or among the parts of this contract, they shall be interpreted in a harmonious manner so as to give effect to each part.
5. The table of contents and any headings or sub headings in the contract has been inserted for case of reference only & shall not affect the interpretation of this agreement.

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SECTION - I

A. DETAILED INFORMATION AND INSTRUCTIONS TO THE BIDDERS

1. Introduction

The Bidder is advised to read carefully all instructions and conditions appearing in this document and understand them fully. All information and documents required as per the bid document must be furnished. Failure to provide the information and / or documents as required may render the bid technically unacceptable.

The bidder shall be deemed to have examined the bid document, to have obtained his own information in all matters whatsoever that might affect the carrying out the works in line with the scope of work specified elsewhere in the document at the offered rates and to have satisfied himself to the sufficiency of his bid. The bidder shall be deemed to know the scope, nature and magnitude of the works and requirement of materials, equipment, tools and labour involved, wage structures and as to what all works he has to complete in accordance with the bid documents irrespective of any defects, omissions or errors that may be found in the bid documents.

- 1.1 MNRE launched a pilot scheme for promotion of large scale grid-connected roof top solar PV projects and SECI is designated as implementing agency for this scheme. The pilot scheme targets large area roofs of government offices, PSUs, Commercial establishments, hospitals, cold storages, warehouses, industry and educational institutions.

On behalf of MNRE, SECI, which expression shall also include its successors and permitted assigns, hereby invites interested project developers, MNRE channel partners, Technology providers, System integrators, Renewable Energy Service Companies (RESCO), EPC Contractors to participate in the bidding process for the selection of Successful Bidder(s) for implementation of large scale grid-connected roof top Solar Photovoltaic Projects under this pilot scheme in the cities / states indicated herein after.

1.2 SELECTED CITIES/STATES:

- 1.2.1 In the Phase II or second phase, the following Cities/States with indicated capacity have been selected under the above scheme.

SI. No	City	Capacity
i.	Bhubaneswar / Cuttack	1.0 MW

ii.	Gurgaon	1.5 MW
iii.	Hyderabad	2.0 MW
iv.	Jaipur	3.1 MW
v.	Noida/ Greater Noida	1.5 MW
vi.	Raipur/ Naya Raipur	2.0 MW
Total		11.1 MW

The capacity indicated above may increase or decrease by 20%.

1.2.2 Some buildings of Raipur/ Naya Raipur where roof top PV systems can be installed are identified. The details are given in Annexure-A. The bidder may approach SECI / CREDA to get more details.

1.2.3 Jaipur city has total indicated capacity of 3.1MW, which shall be implemented in the government buildings. The details are given in Annexure-B. The bidder may approach SECI / RRECL to get more details.

1.3 ELIGIBILITY CRITERIA:

1.3.1 SIZE OF THE PROJECTS & BID CAPACITY

The size of each project shall be in the range of 100kW_p to 500 kW_p. One project may however comprise of several rooftop units and the minimum capacity of the project can also be achieved by aggregating the buildings in the same campus. Each roof top unit can separately connect with the grid and has separate meters. The bidder shall apply for a minimum capacity of 250kW_p to a maximum of 2 MW_p capacity. The bidder has the liberty to choose their "Owner".

1.3.2 GENERAL:

(a) The Bidder should be a corporate entity duly incorporated in India under the relevant Law and engaged in the business of Solar Power.

A copy of certificate of incorporation/Memorandum of Association/Article of Association or any other relevant document(s) may be furnished along with the bid in support of above. In the Memorandum and Articles of association, Article Number should be highlighted separately wherein above information has been stated.

- (b) The bidder should have valid CST/State VAT/TIN registration certificate.
(Copy to be furnished in support).
- (c) Bidder must meet the eligibility criteria independently as a Bidding Company or as a Bidding Consortium with one of the members acting as the Lead Member of the Bidding Consortium. Bidder will be declared as a Qualified Bidder based on meeting the eligibility criteria and as demonstrated based on documentary evidence submitted by the Bidder in the Bid. In case of a Bidding Consortium the Financial Eligibility criteria like annual turnover or net worth as indicated below, shall be fulfilled by the Lead Member or Parent Company while the Technical Eligibility Criteria may be fulfilled by any consortium member. In case bidder is quoting his bid through consortium, a Consortium Agreement as per the Format-9 shall be furnished along with the bid.
- (d) Bidder can however use the technical and financial strength of its Parent Company to fulfil the Technical and/or Financial Eligibility criteria mentioned below. In such case, Bidders shall submit an Undertaking from the Parent Company as per Format -12 and also furnish a certificate of relationship of Parent Company or Affiliate with the Bidding Company as per Format-11, Company Secretary certificate towards shareholding pattern of the Parent Company and the Bidding Company along with a Board resolution from the Parent Company.

1.3.3 TECHNICAL ELIGIBILITY CRITERIA:

- a. The Bidder should have installed at least one Grid connected Solar PV Power Project having a capacity of not less than 25 kW which should have been commissioned at least six months prior to Techno-Commercial Bid Opening date.

The list of project commissioned at least 6 month prior to Techno-Commercial Bid Opening date, indicating whether the project is grid connected, along with a copy of the Contract/Agreement/ Work order and commissioning certificate from the Client/Owner shall be submitted in support of Clause 1.3.3 (a) above.

1.3.4 FINANCIAL ELIGIBILITY CRITERIA:

- (a) The Bidder should have an Annual Turnover or Net worth as indicated below.
 - (i) An Annual Turnover of Rupees 5.0 Crore per MW (Average of past three financial years).
 - Or
 - ii. Net worth equal to or greater than the value calculated at rate of Rs. 3.00 Crore per MW of capacity offered by the Bidder in its Bid. The Computation of Net worth shall

be based on unconsolidated audited annual accounts of the last financial year immediately preceding the Bid Deadline.

In case of more than one Price Bid submitted by the Bidder, the financial eligibility criteria must be fulfilled by such Bidder for the sum total of the capacities being offered by it in its Price Bid..

In case quoted Bid capacity is less than 1 MW, Annual Turnover/Net worth requirements shall be on pro-rata basis.

The formula of calculation of net-worth shall be as follows:

Net-worth = (Paid up share capital) + (Reserves) - (Revaluation of reserves)- (Intangible assets) - (Miscellaneous expenditure to the extent not written off and carry forward losses).

For the purposes of meeting financial requirements, only unconsolidated audited annual accounts shall be used. However, audited consolidated annual accounts of the Bidder may be used for the purpose of financial requirements provided the Bidder has at least twenty six percent (26%) equity in each company whose accounts are merged in the audited consolidated accounts and provided further that the financial capability of such companies (of which accounts are being merged in the consolidated accounts) shall not be considered again for the purpose of evaluation of the Bid.

Bidders shall furnish documentary evidence as per the Format -10, duly certified by Authorized Signatory and the Statutory Auditor in support of their financial capability.

1.4 BID SUBMISSION BY THE BIDDER

1.4.1 The information and/or documents shall be submitted by the Bidder as per the formats specified in Section-IV of this document.

1.4.2 Strict adherence to the formats wherever specified, is required. Wherever, information has been sought in specified formats, the Bidder shall refrain from referring to brochures /pamphlets. Non-adherence to formats and / or submission of incomplete information may be a ground for declaring the Bid as non-responsive. Each format has to be duly signed and stamped by the authorized signatory of the Bidder.

1.4.3 The Bidder shall furnish documentary evidence in support of meeting Eligibility Criteria to the satisfaction of SECI and shall furnish unconsolidated/consolidated audited annual accounts in support of meeting financial requirement, which shall consist of unabridged balance sheet, profit and loss account, profit appropriation account, auditors report, etc., as the case may be of Bidding Company or

Financially Evaluated Entity for the last three(3) financial years immediately preceding the Bid Deadline for the purpose of calculation of Annual Turnover or of last Financial Year in case of Net Worth.

1.4.4 In case the annual accounts for the latest financial year are not audited and therefore the Applicant cannot make it available, the applicant shall give an undertaking to this effect and the statutory auditor shall certify the same. In such a case, the Applicant shall provide the Audited Annual Reports for 3(Three) years preceding the year for which the Audited Annual Report is not being provided.

1.4.5 BID SUBMITTED BY A BIDDING CONSORTIUM:

1.4.5.1 The Bid shall contain legally enforceable Consortium Agreement entered amongst the Members in the Bidding Consortium, designating one of the Members to be the Lead Member (as per Format-9). Each Member of the Bidding Consortium shall duly sign the Consortium Agreement. In the absence of a duly executed Consortium Agreement, the Bid will not be considered for evaluation and will be rejected.

Provided further that the Lead Member of the Bidding Consortium shall only be liable for the Bid.

Provided further that the Consortium Agreement shall not be amended without the prior written approval of SECI.

1.4.5.2 The Lead Member shall designate one person to represent the Consortium in its dealings with the SECI. The person designated by the Lead Member shall be authorized through a Power of Attorney (as per Format-8.) to perform all tasks including, but not limited to providing information, responding to enquires, signing of Bid on behalf of the Consortium, etc.

1.4.5.3 In case of Bid being submitted by a Consortium, the Lead Member of the Consortium shall be the single point of contact for the purposes of the Bid process. Settlement of any dispute amongst the Consortium Members shall not be the responsibility of SECI.

1.4.6. Bid submitted by a Bidding Company:

1.4.6.1. The Bidding Company should designate one person to represent the Bidding Company in its dealings with SECI. The person should be authorized to perform all tasks including, but not limited to providing information, responding to enquires, signing of Bid etc. The Bidding Company should submit, along with Bid, a Power of Attorney in original (as per Format-8), authorizing the signatory of the Bid.

1.4.7. CLARIFICATIONS AND PRE-BID MEETING

- 1.4.7.1. The SECI will not enter into any correspondence with the Bidders, except to furnish clarifications on RFS Documents, if necessary. The Bidders may seek clarifications or suggest amendments to RFS in writing, through a letter or by fax (and also soft copy by e-mail) to reach SECI at the address, date and time mentioned in Bid information sheet.
- 1.4.7.2. The Bidder(s) or their authorized representative(s) is /are invited to attend pre-bid meeting(s), which will take place on date(s) as specified in Bid information sheet, or any such other date as notified by SECI.
- 1.4.7.3. The purpose of the pre-bid meeting will be to clarify any issues regarding the RFS including in particular, issues raised in writing by the Bidders.
- 1.4.7.4. SECI is not under any obligation to entertain/ respond to suggestions made or to incorporate modifications sought for.

1.5 AMENDMENTS TO RFS BY SECI.

- 1.5.1 All Amendments/Corrigendum/Clarification to Bid documents issued subsequently by SECI if any, must be signed and submitted along with the bid proposal and the bid submitted by the Bidder shall take into account all such Amendments. The Bidder is advised to submit the bid, strictly based on the terms and conditions and specifications contained in the documents and not to stipulate any deviations.
- 1.5.2 SECI reserves the right to review/evaluate and make their own assessment of the offers in totality and seek more clarifications in writing /information with reference to all or any other information/documents required to be submitted by the bidder, and the same shall be furnished by the bidder.
- 1.5.3 Any Amendment/ corrigendum/clarification or changes in the bid document shall be uploaded only on the website of MNRE "www.mnre.gov.in" on any date before the last date of submission of bid document. The applicants should have a regular follow up on website for any amendment/corrigendum /clarification.

1.6 BIDDING PROCESS

1.6.1 BID FORMATS

- 1.6.1.1 The Bid in response to this RFS shall be submitted by the Bidders in the manner provided in Clause 1.9. The Bid shall comprise of the following:

(A). Envelop I- Techno-Commercial Bid comprising of:

- i. Covering Letter as per prescribed Format-1.

- ii. Bid Processing fee for each City as per the Bid information sheet
- iii. Original power of attorney issued by the Bidding Company or the Lead Member of the Consortium, as the case may be, in favour of the authorized person signing the Bid, in the form attached hereto as Format-8
- iv. Consortium Agreement as per prescribed Format-9
- v. Bidder's composition and ownership structure as per prescribed Format-11
- vi. Details for meeting Financial Eligibility Criteria as per the prescribed Format-10 along with documentary evidence for the same.
- vii. Undertakings from the Financially Evaluated Entity or its Parent Company /Ultimate Parent Company as per Format-12
- vii.) Board Resolution of the Parent Company /Ultimate Parent Company of the Bidding Company duly certified by the Company Secretary or Authorized signatory to provide the Performance Bank Guarantee in the event of failure of the Bidding Company to do so.
- viii.) Bid Bond, as per the prescribed Format-5.
- ix.) Checklist for Bank Guarantee submission requirements as prescribed in Format-7
- x.) Signed and stamped of RFS Documents by Authorised signatory.

(B) Envelope II- Price Bid as per SECTION-V

The Bidder shall inter-alia take into account the following while preparing and submitting the Price Bid duly signed by an authorized signatory.

- i.) The Bidder shall submit separate sealed Price Bid for each city.
- ii.) The Bidder may quote for Maximum Capacity of 2.0 MWp subject to Minimum Bid Capacity of 250 kWp.

1.7 BID DUE DATE

- 1.7.1 The Bidder should submit the Bids so as to reach the address indicated below by 1430 hrs (IST) on 30th May, 2013:

Dy Manager (Contracts)
Solar Energy Corporation of India
NBCC Plaza, Tower-1, Fourth floor,
Pushp Vihar, Sector-V, Saket
New Delhi-17

1.8 VALIDITY OF BID

- 1.8.1 The bid and the Price Schedule included shall remain valid for a period of 12 months from the Date of techno-commercial bid opening, with bidder having no right to withdraw, revoke or cancel his offer or unilaterally vary the offer submitted or any terms thereof. In case of the bidder revoking or cancelling his offer or varying any term & conditions in regard thereof, SECI shall forfeit the Bid Bond or PBG as the case may be furnished by him. Confirmation regarding the Bid offer validity shall be clearly mentioned in the covering letter
- 1.8.2 In exceptional circumstances, the SECI may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The Bid Bond provided under Clause 1.11 shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid Bond. A Bidder granting the request will neither be required nor permitted to modify its Bid in any manner.

1.9 METHOD OF BID SUBMISSION

- 1.9.1 Bids are required to be submitted in a single sealed cover envelope (as mentioned in Clause 1.6) containing Envelope I (Techno-Commercial Bid) and Envelope II (Price Bid) each one duly sealed separately. Envelope I (Techno-Commercial Bid) and Envelope II (Price Bid) should be transcribed as "Bid for Implementation of Grid connected Roof Top Solar PV System Scheme in Selected Cities/States in India" -Techno-Commercial Bid or Price Bid along with the "BID DUE DATE" as the case may be.
- 1.9.2 In case the Bidder is offering capacity in more than one city, the Price Bid for each city should be sealed in separated envelopes and these envelopes shall be placed in Envelope II.
- 1.9.3 The Bidders have the option of sending their Bid either by registered post; or speed post; or courier; or by hand delivery, so as to reach SECI by the Bid Deadline. Bids submitted by telex/telegram/fax/e-mail shall not be considered under any circumstances. SECI shall not be responsible for any delay in receipt of the Bid. Any Bid received after the Bid Deadline shall be returned unopened.
- 1.9.4 It may be noted that Techno Commercial Bid (Envelope I) shall not contain any information/document relating to Price Bid. If Techno Commercial Bid contains any such information/documents, SECI shall not be responsible for premature opening of the Price Bid.
- 1.9.5 All pages of the Bid, except for the Bid Bond, and any other document executed on non-judicial stamp paper, forming part of the Bid and corrections in the Bid, if any, must be signed by the authorized signatory on behalf of the Bidder. It is clarified that the same authorized signatory shall sign all pages of

the Bid. However, any published document submitted with the Bid shall be signed by the authorized signatory at least on the first and last page of such document.

- 1.9.6 Bidders shall submit the Bid in one (1) original plus one copy, duly signed by the authorized signatory of the Bidder. The original Bid shall be clearly marked "ORIGINAL", and all copies are to be clearly marked "COPY OF BID". In the event of any discrepancy between the original and the accompanying copies, only the original shall prevail.
- 1.9.7 No change or supplemental information to a Bid will be accepted after the Bid Deadline, unless the same is requested for by SECI.
- 1.9.8 If the outer cover envelope or Envelope I (Techno Commercial Bid) or Envelope II (Price Bid) is not closed and not transcript as per the specified requirement, SECI will assume no responsibility for the Bid's misplacement or premature opening.
- 1.9.9 All the envelopes shall be sealed properly & shall indicate the Name & address of the Bidder. The Bid must be complete in all technical and commercial respect and should contain requisite certificates, drawings, informative literature etc. as required in the Bid document. Each page of the Bid document should be signed & stamped. Bids with any type of change or modification in any of the terms/ conditions of this document shall be rejected. If necessary, additional papers may be attached by the Bidder to furnish/ submit the required information. Any term / condition proposed by the Bidder in his bid which is not in accordance with the terms and conditions of the RFS document or any financial conditions, payment terms, rebates etc. mentioned in Price Bid shall be considered as a conditional Bid and will make the Bid invalid.

1.10 COST OF BIDDING

- 1.10.1 The bidder shall bear all the costs associated with the preparation and submission of his offer, and the company will in no case be responsible or liable for those costs, under any conditions. The Bidder shall not be entitled to claim any costs, charges and expenses of and incidental to or incurred by him through or in connection with his submission of bid even though SECI may elect to modify / withdraw the invitation of Bid.

1.11 BID BOND

The Bidder/Lead member of consortium shall furnish the Interest free Bid Bond @ Rs.6, 75,000 / 250 kWp in the form of Bank Guarantee (BG) / Demand Draft drawn in favour of "Solar Energy Corporation of India", payable at New Delhi. The validity of Bid Bond is for a period of 6 months from the Bid Deadline. The Bid Bond for the unsuccessful Bidders will be released / refunded after finalization of bid, within 30 days after receiving the request letter from unsuccessful bidder. Unsuccessful

Bidder's Bid Bond will be discharged/returned as promptly as possible as but not later than 30 days after the expiration of the period of Bid Bond validity(i.e. for 6 months from the date of opening of Techno- Commercial Bid) prescribed by the SECI.

The formula applicable to calculate the Bid Bond amount will be:

Bid Bond amount= (Rs. 6, 75,000/250kWp) X Project capacity in kWp

Example: For 500 kWp the bidder has to submit Bid Bond of Rs. 13, 50, 000/- (Rupees Thirteen Lakhs fifty thousand only)

1.11.1 The Bid Bond shall be denominated in Indian Rupees and shall:

- i. at the Bidder's option, be in the form of either a demand draft, or a bank guarantee from a Public sector bank/Scheduled Indian Bank in the prescribed format ;
- ii. A scheduled Indian Bank should have paid up capital (net of any accumulated losses) of Rs. 1,000 Million or above (the latest annual report of the Bank should support compliance of paid up capital requirement).
- iii. be confirmed for payment by the branch of the bank giving the bank guarantee at New Delhi.
- iv. be submitted in its original form; copies will not be accepted; and remain valid for a minimum period of 6 months from the date of Techno Commercial bid opening, or beyond any period of extension subsequently requested under Clause 1.8.2.

1.11.2. the Successful Bidder shall sign and stamped the Allocation Letter and return the duplicate copy of the same to SECI within 15 days.

1.11.3. The Bid Bond shall be forfeited without prejudice to his being liable for any further consequential loss or damage incurred to SECI:

- a. If a Bidder withdraws / revoke or cancel or unilaterally vary his bid in any manner during the period of Bid validity specified in the bid document and in accordance of the Clause 1.8.1 above.
- b. If the Successful Bidders fails to unconditionally accept the Allocation letter within the 15 days.
- c. If the Successful Bidders fails to furnish the "Performance Security" of equivalent amount as that of Bid Bond with in the specified time period .

1.12. PERFORMANCE SECURITY (PBG)

1.12.1 Within 10 days of receipt of the acceptance to allocation letter, Successful Bidder/Lead Member of the consortium shall furnish the Performance Security equivalent of Bid Bond amount in Format prescribed in this RFS document.

- 1.12.2 The Performance Security shall be denominated in Indian Rupees and shall be in one of the following forms:
- a. a demand draft, or a bank guarantee from a Public sector bank/Scheduled Indian Bank;
 - b. A scheduled Indian Bank should have paid up capital (net of any accumulated losses) of Rs. 1,000 Million or above (the latest annual report of the Bank should support compliance of paid up capital requirement).
 - c. be confirmed for payment by the branch of the bank giving the bank guarantee at New Delhi.
- 1.12.3 The PBG shall be forfeited without prejudice to his being liable for any further consequential loss or damage incurred to SECI
- a. In full form equivalent to the capacity of 250 kWp, If the Successful Bidder fails to execute the Projects of less than the 250 kWp capacity out of his allocated capacity.
 - b. On pro-rata basis, if the Bidder executes projects of at least 250kWp out of the allocated capacity.
 - c. If the Successful bidders fail to identify the projects of the offered capacity as per the Clause 2.9.3 of Section II.
- 1.12.4 The Performance Security shall be valid for a minimum period of 24 months from the date of acceptance to allocation letter and in consonance of Clause 1.11.3(b).

1.13 OPENING OF BIDS

- 1.13.1 Envelope-I, Techno-Commercial Bid, of the Bidders shall be opened at 1430 hours on Bid Deadline date at the venue indicated herein above, in the presence of one representative from each of the Bidders who wish to be present.
- 1.13.2 Name of the Bidder including members of the Bidding Consortium if any, price details of the Bid bond and capacity offered for each city shall be read out to all the Bidders at the time of opening of Techno Commercial Bid.

1.14 RIGHT TO WITHDRAW THE RFS AND TO REJECT ANY BID

- 1.14.1 This RFS may be withdrawn or cancelled by the SECI at any time without assigning any reasons thereof. The SECI further reserves the right, at its complete discretion, to reject any or all of the Bids without assigning any reasons whatsoever and without incurring any liability on any account.
- 1.14.2 The SECI reserve the right to interpret the Bid submitted by the Bidder in accordance with the provisions of the RFS and make its own judgment regarding the interpretation of the same. In this regard the SECI shall have no

liability towards any Bidder and no Bidder shall have any recourse to the SECI with respect to the selection process. SECI shall evaluate the Bids using the evaluation process specified in Section -I, at its sole discretion. SECI decision in this regard shall be final and binding on the Bidders.

- 1.14.3 SECI reserves its right to vary, modify, revise, amend or change any of the terms and conditions of the Bid before submission. The decision regarding acceptance of bid by SECI will be full and final.

1.15 ZERO DEVIATION

- 1.15.1 This is a ZERO Deviation Bidding Process. Bidder is to ensure compliance of all provisions of the Bid Document and submit their Bid accordingly. Tenders with any deviation to the bid conditions shall be liable for rejection.

1.16 EXAMINATION OF BID DOCUMENT

- 1.16.1 The Bidder is required to carefully examine the Technical Specification, terms and Conditions of Contract, and other details relating to supplies as given in the Bid Document.

- 1.16.2 The Bidder shall be deemed to have examined the bid document including the agreement/contract, to have obtained information on all matters whatsoever that might affect to execute the project activity and to have satisfied himself as to the adequacy of his bid. The bidder shall be deemed to have known the scope, nature and magnitude of the supplies and the requirements of material and labour involved etc. and as to all supplies he has to complete in accordance with the Bid document.

- 1.16.3 Bidder is advised to submit the bid on the basis of conditions stipulated in the Bid Document. Bidder's standard terms and conditions if any will not be considered. The cancellation / alteration / amendment / modification in Bid documents shall not be accepted by SECI.

- 1.16.4 Bid not submitted as per the instructions to bidders is liable to be rejected. Bid shall confirm in all respects with requirements and conditions referred in this bid document.

B. GENERAL CONDITIONS OF CONTRACT(GCC)

1.17 SCOPE OF WORK

- 1.17.1 The scope of work for the bidder include Identification of buildings/leasing rooftop of buildings, Obtaining No Objection Certificate (NOC)" from Distribution Company (DISCOM) for grid connectivity, complete design, engineering, manufacture, supply, storage, civil work, erection, testing & commissioning of

the grid connected rooftop solar PV project including operation and maintenance (O&M) of the project for a period of two years after commissioning.

1.18 **PROJECT COST**

1.18.1 The Project cost shall include all the costs related to above Scope of Work. Bidder shall quote for the entire facilities on a “single responsibility” basis such that the total Bid Price covers all the obligations mentioned in the Bidding Documents in respect of Design, Supply, Erection, Testing and Commissioning including Warranty, Operation & Maintenance for a period of 2 years, goods and services including spares required if any during O&M period. The Bidder has to take all permits, approvals and licenses, Insurance etc., provide training and such other items and services required to complete the scope of work mentioned above.

1.18.2 The price quoted is on lump sum turnkey basis and the bidder is responsible for the total scope of work described at Clause 1.17 above.

1.18.3 The project cost shall remain firm and fixed and shall be binding on the Successful Bidder till completion of work for payment of subsidy amount irrespective of his actual cost of execution of the project. No escalation will be granted on any reason whatsoever. The bidder shall not be entitled to claim any additional charges, even though it may be necessary to extend the completion period for any reasons whatsoever.

1.18.4 The cost shall be inclusive of all duties and taxes, insurance etc .The prices quoted by the firm shall be complete in all respect and no price variation /adjustment shall be payable

1.18.5 The operation & maintenance of Solar Photovoltaic Power Plant would include wear, tear, overhauling, machine breakdown, insurance, and replacement of defective modules, invertors / Power Conditioning Unit (PCU), spares, consumables & other parts for a period of 2 years.

1.18.6 The **Project cost** shall be specified in sanction letter based on Successful Bidder’s quote @Rs/Wp (Watt peak) for each project. The project cost shall be in accordance with all terms, conditions, specifications and other conditions of the Contract as accepted by the SECI and incorporated into the sanction letter.

1.18.7 The Bidder shall complete the Price Bid for each city (Section-V) furnished in the RFS Documents.

1.19 **SECI CHARGES**

The successful bidders shall Pay 3% of 70% of the total project cost as SECI charges towards site visits, inspection; liaison, monitoring etc., Taxes and duties shall be paid extra. The SECI charges are non-refundable and for each project

the charges has to be paid within 15 days from date of issuance of Sanction letter by SECI.

1.20 INSURANCE

- 1.20.1 The Bidder shall be responsible and take an Insurance Policy for transit-cum-storage-cum-erection for all the materials to cover all risks and liabilities for supply of materials on site basis, storage of materials at site, erection, testing and commissioning. The bidder shall also take appropriate insurance during O&M period, if required.
- 1.20.2 The Bidder shall also take insurance for Third Party Liability covering loss of human life, engineers and workmen and also covering the risks of damage to the third party/material/equipment/properties during execution of the Contract. Before commencement of the work, the Bidder will ensure that all its employees and representatives are covered by suitable insurance against any damage, loss, injury or death arising out of the execution of the work or in carrying out the Contract. Liquidation, Death, Bankruptcy etc., shall be the responsibility of bidder.

1.21 WARRANTIES AND GUARANTEES

- 1.21.1 The Bidder shall warrant that the goods supplied under this contract are new, unused, of the most recent or latest technology and incorporate all recent improvements in design and materials. The bidder shall provide warranty covering the rectification of any and all defects in the design of equipment, materials and workmanship including spare parts for a period of 2 years from the date of commissioning. The successful bidder has to transfer all the Warranties /Guarantees of the different components to the Owner of the project. The responsibility of operation of Warranty and Guarantee clauses and Claims/ Settlement of issues arising out of said clauses shall be joint responsibility of the successful bidder and the owner of the project and SECI will not be responsible in any way for any claims whatsoever on account of the above.

1.22 TYPE AND QUALITY OF MATERIALS AND WORKMANSHIP

- 1.22.1 The design, engineering, manufacture, supply, installation, testing and performance of the equipment shall be in accordance with latest appropriate IEC/Indian Standards as detailed in the Section- III (Technical specifications) of the bid document. Where appropriate Indian Standards and Codes are not available, other suitable standards and codes as approved by the MNRE shall be used.

1.22.2 The specifications of the components should meet the technical specifications mentioned in Section III.

1.22.3 Any supplies which have not been specifically mentioned in this Contract but which are necessary for the design, engineering, manufacture, supply & performance or completeness of the project shall be provided by the Bidder without any extra cost and within the time schedule for efficient and smooth operation and maintenance of the SPV plant.

1.23 **OPERATION & MAINTENANCE (O&M)**

The bidder shall be responsible for operation and maintenance of the Roof top Solar PV system for a period of 2 years, during which SECI will monitor the project for effective performance in line with conditions specified elsewhere in the bid document. During this period, the bidder shall be responsible for supply of all spare parts as required from time to time for scheduled and preventive maintenance, major overhauling of the plant, replacement of defective modules, inverters, PCU's etc and maintaining log sheets for operation detail, deployment of staff for continuous operations and qualified engineer for supervision of O&M work, complaint logging & its attending.

1.24 **METERING AND GRID CONNECTIVITY**

Metering and grid connectivity of the roof top solar PV system under this scheme would be the responsibility of the Bidder in accordance with the prevailing guidelines of the concerned DISCOM and / or CEA (if available by the time of implementation). SECI/SNA could facilitate connectivity; however the entire responsibility lies with bidder only.

1.25 **PLANT PERFORMANCE EVALUATION**

The successful bidder shall be required to meet minimum guaranteed generation with Performance Ratio (PR) at the time of commissioning and related Capacity Utilization Factor (CUF) as per the DNI levels of the location during the O&M period. PR should be shown minimum of 75% at the time of inspection for initial commissioning acceptance to qualify for release of 20% subsidy and as per Clause 2.10 of Section II. Minimum CUF of 15% should be maintained for a period of 2years for release of performance related subsidy. The bidder should send the periodic plant output details to SECI for ensuring the CUF. The PR will be measured at Inverter output level during peak radiation conditions.

1.26 **PROGRESS REPORT**

The bidder shall submit the progress report monthly in the Proforma mutually discussed and agreed between the SECI and the bidder. The bidder shall submit the progress report to the SECI. The SECI will have the right to depute his/their representatives to ascertain the progress of contract at the premises of works of the bidder.

1.27 **PROJECT INSPECTION.**

The project progress will be monitored by SECI and the projects will be inspected for quality at any time during commissioning or after the completion of the project either by officer(s) from SECI or a team comprising of officers from SECI, owner of the project and SNA.

1.28 **CANCELLATION OF SUBSIDY**

SECI will not release the subsidy for any shortcomings in commissioning as per technical specifications mentioned or for performance ratio (PR) below the specified limit (75%) after commissioning. Also the performance related subsidy will not be released for any CUF <15% during O&M period of 2 years.

1.29 **APPLICABLE LAW**

1.29.1 The Contract shall be interpreted in accordance with the laws of the Union of India.

1.30 **SETTLEMENT OF DISPUTE**

1.30.1 If any dispute of any kind whatsoever shall arise between the SECI and Contractor in connection with or arising out of the contract including without prejudice to the generality of the foregoing, any question regarding the existence, validity or termination, whether the parties shall seek to resolve any such dispute or difference by mutual consultation.

1.30.1.1 If the parties fail to resolve, such a dispute or difference by mutual consent, within 45 days of its arising, then the dispute shall be referred by either party by giving notice to the other party of its intention to commence arbitration as hereafter provided, as to the matter in dispute, & no arbitration may be commenced unless such notice is given. Any dispute in respect of which a notice of intention to commence arbitration has been given in accordance with GCC Sub Clause 1.30.2, shall be finally settled by arbitration.

1.30.2 **In case the Contractor is not a Public Sector Enterprise or a Government Department.**

1.30.2.1 In case the Contractor is a Public Sector Enterprise or a Government Department, the dispute shall be referred for resolution in Permanent Machinery for Arbitration (PMA) of the Department of Public Enterprise, Government of India. Such dispute or difference shall be referred by either party for Arbitration to the sole Arbitrator in the Department of Public Enterprises to be nominated by the Secretary to the Government of India in-charge of the Department of Public Enterprises. The award of the Arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make a further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs,

Ministry of Law & Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary / Additional Secretary, when so authorized by the Law Secretary, whose decision shall bind the Parties finally and conclusive. The Parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator.

1.30.3 In case the Contractor is not a Public Sector Enterprise or a Government Department.

- 1.30.3.1 In all other cases, any dispute submitted by a party to arbitration shall be heard by an arbitration panel composed of three arbitrators, in accordance with the provisions set forth below.
- 1.30.3.2 The SECI and the Contractor shall each appoint one arbitrator, and these two arbitrators shall jointly appoint a third arbitrator, who shall chair the arbitration panel. If the two arbitrators do not succeed in appointing a third arbitrator within twenty (20) days after the latter of the two arbitrators has been appointed, the third arbitrator shall, at the request of either party, be appointed by the Appointing Authority for third arbitrator which shall be the President, Institution of Engineers.
- 1.30.3.3 If one party fails to appoint its arbitrator within thirty-two (32) days after the other party has named its arbitrator, the party which has named an arbitrator may request the Appointing Authority to appoint the second arbitrator.
- 1.30.3.4 If for any reason an arbitrator is unable to perform its function, the mandate of the Arbitrator shall terminate in accordance with the provisions of applicable laws as mentioned in GCC Clause 1.29 (Applicable Law) and a substitute shall be appointed in the same manner as the original arbitrator.
- 1.30.3.5 Arbitration proceedings shall be conducted with The Arbitration and Conciliation Act, 1996. The venue or arbitration shall be New Delhi.
- 1.30.3.6 The decision of a majority of the arbitrators (or of the third arbitrator chairing the arbitration panel, if there is no such majority) shall be final and binding and shall be enforceable in any court of competent jurisdiction as decree of the court. The parties thereby waive any objections to or claims of immunity from such enforcement.
- 1.30.3.7 The arbitrator(s) shall give reasoned award.
- 1.30.4 Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the agreement unless they otherwise agree.

1.31 FORCE MAJEURE

- 1.31.1.1 Notwithstanding the provisions of clauses contained in this RFE document; the contractor shall not be liable to forfeit (a) Security deposit for delay and (b) termination of contract; if he is unable to fulfill his obligation under this contract due to force majeure conditions.
- 1.31.1.2 For purpose of this clause, "Force Majeure" means an event beyond the control of the contractor and not involving the contractor's fault or negligence and not foreseeable, either in its sovereign or contractual capacity. Such events may include but are not restricted to Acts of God, wars or revolutions, fires, floods, epidemics, quarantine restrictions and fright embargoes etc. Whether a "Force majeure" situation exists or not, shall be decided by SECI and its decision shall be final and binding on the contractor and all other concerned.
- 1.31.2 In the event that the contractor is not able to perform his obligations under this contract on account of force majeure, he will be relieved of his obligations during the force majeure period. In the event that such force majeure extends beyond six months, SECI has the right to terminate the contract in which case, the security deposit shall be refunded to him.
- 1.31.3 If a force majeure situation arises, the contractor shall notify SECI in writing promptly, not later than 14 days from the date such situation arises. The contractor shall notify SECI not later than 3 days of cessation of force majeure conditions. After examining the cases, SECI shall decide and grant suitable additional time for the completion of the work, if required.

1.32 LANGUAGE

- 1.32.1 All documents, drawings, instructions, design data, calculations, operation, maintenance and safety manuals, reports, labels and any other data shall be in English Language.

The contract agreement and all correspondence between the SECI and the bidder shall be in English language.

1.33 OTHER CONDITIONS

- 1.33.1 The Contractor shall not transfer, assign or sublet the work under this contract or any substantial part thereof to any other party without the prior consent of SECI in writing.
- 1.33.2 The Contractor or its subcontractors shall not display the photographs of the work and not take advantage through publicity of the work without written permission of SECI.

1.33.3 The Contractor or its subcontractors shall not make any other use of any of the documents or information of this contract, except for the purposes of performing the contract.

1.33.4 SECI will not be bound by any Power of Attorney granted/ issued by the Contractor or its subcontractors or by any change in the composition of the firm made during or subsequent to the execution of the contract. However recognition to such Power of Attorney and change (if any) may be given by Purchaser after obtaining proper legal advice, the cost of which will be chargeable to the supplier concerned.

1.33.5 The majority and controlling shareholding in the supplier selected shall be maintained with the promoter shareholders of the supplier without the approval of the SECI.

1.33.6 **SUCCESSORS AND ASSIGNS:**

In case the SECI or Contractor undergo any merger or amalgamation or a scheme of arrangement or similar re-organization & this contract is assigned to any entity (ies) partly or wholly, the contract shall be binding mutatis mutandis upon the successor entities & shall continue to remain valid with respect to obligation of the successor entities.

1.33.7 **SEVERABILITY:**

It is stated that each paragraph, clause, sub-clause, schedule or annexure of this contract shall be deemed severable & in the event of the unenforceability of any paragraph, clause sub-clause, schedule or the remaining part of the paragraph, clause, sub-clause, schedule annexure & rest of the contract shall continue to be in full force & effect.

1.33.8 **COUNTERPARTS:**

This contract may be executed in one or more counterparts, each of which shall be deemed an original & all of which collectively shall be deemed one of the same instrument.

1.33.9 RIGHTS & REMEDIES UNDER THE CONTRACT ONLY FOR THE PARTIES:

This contract is not intended & shall not be construed to confer on any person other than the SECI & Contractor hereto, any rights and / or remedies herein.

1.34. CORRESPONDENCE

Applicant requiring any technical clarification of the bid documents may contact in writing or by Fax /E Mail

Dy Manager(Contracts)

Solar Energy Corporation of India (SECI),
NBCC Plaza, Tower-1,Fourth Floor
New Delhi-110 017, India. Telefax: 91-11-29563834
Telephone: +91-11- 29564033/36
E Mail: secicontracts@yahoo.com
ybkrseci@gmail.com;

Verbal clarifications and information given by the SECI/MNRE or its employees or its Representatives shall not be in any way entertained.

SECTION-II

EVALUATION CRITERIA AND SUBSIDY DISBURSEMENT

2. BID EVALUATION AND SUBSIDY DISBURSEMENT

2.1. BID EVALUATION

The evaluation process comprises the following four steps:

- Step I - Responsiveness check of Techno Commercial Bid
- Step II - Evaluation of Bidder's fulfilment of Eligibility Criteria as per Clause 1.3 of Section-I
- Step III - Evaluation of Price Bid
- Step IV - Successful Bidders(s) selection

2.2. RESPONSIVENESS CHECK OF TECHNO COMMERCIAL BID

The Techno Commercial Bid submitted by Bidders shall be scrutinized to establish responsiveness to the requirements laid down in the RFS Subject to Clause 1.3.1, Clause 1.3.2, and Clause 1.3.3 any of the following may cause the Bid to be considered "Non-responsive", at the sole discretion of SECI:

- a. Bids that are incomplete, i.e. not accompanied by any of the applicable formats inter alia covering letter, power of attorney supported by a board resolution, applicable undertakings, format for disclosure, valid Bid Bond, Consortium Agreements etc.;
- b. Bid not signed by authorized signatory and /or stamped in the manner indicated in this RFS;
- c. Material inconsistencies in the information /documents submitted by the Bidder, affecting the Eligibility Criteria;
- d. Information not submitted in the formats specified in this RFS;
- e. Bid being conditional in nature;
- f. Bid not received by the Bid Deadline;
- g. Bid having Conflict of Interest;
- h. More than one Member of the Bidding Consortium or a Bidding Company using the credentials of the same Parent Company /Affiliate;
- i. Bidder delaying in submission of additional information or clarifications sought by SECI as applicable;

- j. Bidder makes any misrepresentation.

Each Bid shall be checked for compliance with the submission requirements set forth in this RFS before the evaluation of Bidder's fulfilment of Eligibility Criteria is taken up. Clause 1.3 shall be used to check whether each Bidder meets the stipulated requirement.

2.3. EVALUATION OF BIDDER'S FULFILMENT OF ELIGIBILITY CRITERIA

- 2.3.1. Evaluation of Bidder's Eligibility will be carried out based on the information furnished by the Bidder as per the prescribed Formats and related documentary evidence in support of meeting the Eligibility Criteria as specified in Clause 1.3. Non-availability of information and related documentary evidence for the satisfaction of Eligibility Criteria may cause the Bid to be non-responsive.

2.4. EVALUATION OF PRICE BID

- 2.4.1. Price Bid (Envelope II) of the Qualified Bidders shall be opened in presence of the representatives of such Qualified Bidders, who wish to be present, on a date as may be intimated by SECI to the Bidders through MNRE website or Email. The evaluation of Price Bid shall be carried out based on the information furnished in Envelope II (Price Bid).
- 2.4.2. The Price Bid submitted by the Bidders shall be scrutinized to ensure conformity with the RFS. Any Bid not meeting any of the requirements of this RFS may cause the Bid to be considered "Non-responsive" at the sole decision of the SECI.

2.5. SUCCESSFUL BIDDER(S) SELECTION

- 2.5.1. Bids qualifying in Clause 2.4 shall only be evaluated in this stage.
- 2.5.2. The Project Cost quoted in all Price Bids of Qualified Bidders shall be ranked from the lowest to the highest for each city separately.
- 2.5.3. The Bidder with the lowest Project Cost shall be declared as the Successful Bidder for the capacity (in kW) offered by such Bidder in its Price Bid.
- 2.5.4. The selection process of the Successful Bidder as mentioned above in Clause 2.5.3 shall be repeated for all the remaining Price Bid of Qualified Bidders until the entire Bid Capacity is met or until the time when the balance of the Bid Capacity is less than the Minimum Bid Capacity.
- 2.5.5. At any step in the process in Clause 2.5.4, in case the Bid Capacity has not been achieved and the offered capacity of the Bidder with the lowest Project Cost amongst the remaining Price Bid is larger than the balance Bid Capacity, any fraction or combination of fraction offered by such Bidder shall be considered for selection, towards meeting the Bid Capacity.

- 2.5.6. The selection process shall stand completed once the Bid Capacity has been achieved through the summation of the capacity offered by the Successful Bidders or when the balance or the Bid Capacity is less than the Minimum Bid Capacity.
- 2.5.7. At any step during the selection of Successful Bidder(s) in accordance with Clause 2.5.6, the SECI reserves the right to increase/decrease the Bid Capacity by up to twenty percent (20%) of the capacity indicated in Clause 1.2 to achieve the balance Bid Capacity and select the Successful Bidder with the lowest Project Cost amongst the remaining Bids.
- 2.5.8. The Letter(s) of Allocation (LOA) shall be issued to all such Successful Bidders(s) selected as per the provisions of this Clause 2.5.
- 2.5.9. Each Successful Bidder shall unconditionally accept the LOA, and record on one (1) copy of the LOA, "Accepted Unconditionally", under the signature of the authorized signatory of the Successful Bidder and return such copy to the SECI within Fifteen (15) days of issue of LOA.
- 2.5.10. If the Successful Bidder, to whom the Letter of Allocation has been issued does not fulfil any of the conditions specified in Bid document, the SECI reserves the right to annul the award of the Letter of Allocation of such Successful Bidder.
- 2.5.11. The SECI at its own discretion, has the right to reject all Bids if the Quoted Project cost are not aligned to the prevailing market prices.
- 2.5.12. There shall be no negotiation on the quoted project cost between the SECI and the Bidder(s) during the process of evaluation.

2.6. MAXIMUM LIMIT OF THE PROJECT COST

- 2.6.1. The upper limit of the project cost is **Rs. 90.00/Wp**. Price bid above the upper limit shall not be considered for price comparison.

2.7. NOTIFICATION TO SUCCESSFUL BIDDERS

- 2.7.1. The name of Successful Bidders shall be notified indicating the allocated capacity and the offered price on MNRE website and also shall be notified individually.

2.8 MAXIMUM CHARGEABLE TARIFF FOR RESCO

- 2.8.1. If the project is implemented in RESCO mode, maximum chargeable tariff is up to Rs. 6.00/kWh.

2.9 PROJECT ALLOCATION AND SANCTION

- 2.9.1 The identification of the projects (roof tops) at time of bidding is not mandatory. The Bidders, however, in their own interest are advised to make

a preliminary survey of availability of roof tops in the city for which they intend to Bid, as well as issue of Grid connectivity, as non-availability of roof tops and non-completion of other formalities after allocation of project will result in forfeiture of Bid Bond/PBG amount submitted by them.

- 2.9.2 The Successful Bidders selected as described in Clause 2.5 above shall be issued Letter of Allocation (LOA) indicating the allocated capacity & Project Cost etc.
- 2.9.3 The bidders who have been notified as Successful Bidders, shall be given 3 months from the date of issue of Letter of Allocation for identification of roof tops and submission of Project sanction documents as per Annexure -C for their allocated capacity. Further, Successful Bidders can start submitting their Project sanction documents as soon as they receive LOA from SECI. Project sanction documents shall be submitted to SECI with minimum Project size of 100 kWp and up to their allocated capacity. If after 3 months, the successful bidder could not identify rooftop(s) capacity up to the allocated capacity and submit Project sanction documents, SECI may allow another 3 more months provided the successful bidder could submit Project sanction documents of at least 50% of the allocated capacity in first three months and also intimates SECI their intent to identify the remaining capacity in the next 3 months. If the successful bidders fail to identify the projects for allocated capacity in full or part, within the time limit, in such case PBG shall be forfeited.
- 2.9.4 If there is some left out quantity after six months (from the date of issue of LOA, this will be offered to other Successful Bidders (for the same city) starting with L1 and then going to L2 and so on, leaving out the ones who has not completed his assigned job. Part Project capacities may also be given. For the new bidders also, a time period of 3 months will be allowed for identification of projects. If any remaining capacities are not accepted by any of the other Successful Bidders in that city, the left out capacities may be offered to unsuccessful bidders in merit order of the rate quoted by them subjected to matching the price offered by the Successful Bidders. Even after this, if any capacity remains unallocated, SECI at its own discretion will decide further course of action.
- 2.9.5 For identification of projects, SECI or state nodal agency (SNA) may provide help. However the entire responsibility of finding the buildings lies with the Bidder.
- 2.9.6 SECI will issue the Sanction Letter(s) for the Project (s) indicating the subsidy amount(s) which will be disbursed in line with the provisions of the RFS document. The Bidder shall complete the design, engineering, manufacture, supply, storage, civil work, erection, testing & commissioning of each project within 6 months from the date of issue of Sanction Letter.
- 2.9.7 If the Bidder fails to commission the sanctioned project within specified time, penalty on per day basis calculated for the Performance Security on a 6 months

period would be levied. After 6 months, the project will get cancelled and the total PGB amount would be forfeited.

2.10 SUBSIDY DISBURSEMENT:

2.10.1 SECI will provide 30% of the Project Cost as quoted by the Successful Bidder in Price Bid as subsidy. The cost quoted by the bidder in the Price Bid shall be considered as the Project Cost for this purpose, which shall remain firm under all circumstances. Total liability of SECI under this contract shall be limited to release of this 30% subsidy on the cost offered by the Bidder in the Price Bid. The subsidy will be disbursed as follows.

- a) Subsidy equivalent to 20% of the Project Cost will be released after Commissioning and acceptance of project.
- b) Subsidy equivalent to 5% of the Project Cost will be released at the end of 1 year of O&M period from date of commissioning.
- c) Remaining subsidy equivalent to 5% of the Project Cost will be released at the end of 2 years of O&M period from date of commissioning.

Extra payment shall be made by the Owner on mutually decided their(Owner & Successful Bidder) terms and conditions. In any case, SECI shall neither interfere in their business affairs nor shall be liable for extra claim by Successful Bidder or Owner.

2.10.2 SECI may consider to release as case to case basis depending on the actions taken by the Successful Bidder and the progress achieved in the process, the subsidy amount indicated at Clause 2.10.1 (a) & (b) above in case Grid connectivity of the Project has not been done although the Project is otherwise ready for the commissioning. However, the last 5% of subsidy as indicated in Clause 2.10.1 (c) above shall not be released till the project is connected with the Grid.

2.10.3 In case the Successful Bidder/ Project Developer is not the Owner of the Project, subsidy shall be released to Successful Bidder/ Project Developer after written consent of Owner only.

2.11 PENALTY FOR DELAY IN PROJECT IMPLEMENTATION

2.11.1 SECI will issue the sanction letter(s) for the Project (s) indicating the subsidy amount(s) which will be disbursed in line with the provisions of the RFS document. The Bidder shall complete the design, engineering, manufacture, supply, storage, civil work, erection, testing & commissioning of each project within 6 months from the date of issue of sanction letter.

2.11.2 If the bidder fails to commission the sanctioned project within specified time, penalty on per day basis calculated for the Performance Security on a 6 months

period would be levied. After 6 months the project will get cancelled and the total PBG amount would be forfeited.

Ex: If a project of 250 kW is delayed by 36 days then the penalty will be levied as given below.

$$\text{Penalty} = ((\text{Performance Security})/180 \text{ days}) * \text{delayed days} = (6,75,000 / 180) * 36 \\ = \text{Rs.1,35,000.}$$

2.12 TIMELINES:

SECI will issue the sanction letter(s) for the Project (s) indicating the subsidy amount(s) which will be disbursed in line with the provisions of the RFS document. The Bidder shall complete the design, engineering, manufacture, supply, storage, civil work, erection, testing & commissioning of each project within 6 months from the date of issue of sanction letter. In case of delay beyond scheduled commissioning period, the bidder shall be liable for penalty as per Clause 2.11

S.No.	Activity	Time
1	Release of RFS	Zero date
2	Opening of Techno-Commercial bid proposals	One Month from Zero date
3	Evaluation of Bids & issue of Notification to successful bidder(s)	Within 2 Months from Zero date
4	Sanction of projects	Within 5 Months from zero date
5	Commissioning of the project	Within 6 months from sanction of Project(s).

SECTION-III

TECHNICAL SPECIFICATIONS

The proposed projects should be commissioned as per the technical specifications given below. Any shortcomings will lead to cancelation of subsidy in full or part as decided by SECI & Competent Authority's decision will be final and binding on the bidder.

Solar PV system shall consist of following equipments/components.

- Solar PV modules consisting of required number of crystalline PV modules.
- Grid interactive Power Conditioning Unit with SCADA / Inverters including power balancer with SCADA.
- Mounting structures and civil structures.
- Earthing and lightening protections.
- IR/UV protected PVC pipes and accessories

3.1. SOLAR PHOTOVOLTAIC MODULES:

3.1.1. The PV modules used should be made in India.

3.1.2. The Photovoltaic modules must be tested & approved by one of the IEC authorized test centres as per relevant and latest IEC standards.

3.1.3. The module shall have warranty of 25 years with 80% degradation in accordance with industrial standard warranty conditions.

3.1.4. Each PV module used in any solar power project must use a RF Identification Tag (RFID). The RFID can be inside or outside the module laminated, but must be able to withstand harsh environmental conditions. It must contain the following Information;

- I. Name of the manufacturer of PV Modules and solar cells
- II. Month and year of the manufacturer (separately for solar cells and modules).
- III. I-V Curve for the module
- IV. Peak wattage, I_m , V_m , V_{oc} , I_{sc} and FF for the module.
- V. Unique Serial No and Model No of the Module
- VI. Date and year of obtaining IEC PV module qualification certificate.
- VII. Name of the test lab issuing IEC certificate

3.2. ARRAY STRUCTURE:

- a. The structures provided shall be of flat-plate design with combination of I , C and L sections as per structure design requirement to withstand 200kph wind speed. Suitable fastening arrangement such as grouting and clamping should be provided to secure the installation against the specified wind speed.
- b. Structural material shall be corrosion resistant and electrolytic ally compatible with the materials used in the module frame, its fasteners, nuts and bolts. Galvanizing should meet ASTM A-123 hot dipped galvanizing or equivalent which provides at least spraying thickness of 70 microns on both sides as per IS5909, if steel is used.
- c. Aluminium structures also can be used which can withstand the wind speed of 200 kph. Necessary protection towards rusting need to be provided either by coating or anodization.
- d. The fasteners used should be made up of stainless steel.
- e. The structures shall be designed to allow easy replacement of any module.
- f. Each structure should have angle of inclination as per the site conditions to take maximum insolation. However to accommodate more capacity the angle inclination may be reduced until the plant meets the specified performance ratio requirements.
- g. Regarding civil structures the bidder need to take care of the load baring capacity of the roof and need arrange suitable structures based on the quality of roof.

3.3. INVERTOR:

The power conditioner unit/ string inverter / central inverter should be provided to convert DC power produced by SPV modules, in to AC power. The power conditioning unit/inverter should be grid interactive and also DG set interactive if necessary. Inverter output should be compatible with the grid frequency. Typical technical features of the inverter shall be as follows:

- Nominal AC output voltage and frequency : 415V, 3 phase, 50 Hz
- Accuracy of AC voltage control : ± 1 %
- Output frequency : 50 Hz
- Accuracy of frequency control : ± 0.1 %
- Grid Frequency Synchronization range : ± 3 Hz
- Maximum Input DC Voltage : depending on the inverter used.
- Ambient temperature considered : 40°C
- Humidity : 95 % Non condensing

- Protection of Enclosure : IP-20(Minimum) for indoor.
: IP-65(Minimum) for outdoor.
- Grid Frequency Tolerance range : $\pm 3\%$
- Grid Voltage tolerance : - 20% & + 15 %
- No-load losses : Less than 1% of rated power
- Inverter efficiency(minimum) : >95%
- THD : < 3%
- PCU/inverter shall be capable of complete automatic operation including wake-up, synchronization & shutdown.
- Built-in meter and data logger to monitor plant performance through external computer shall be provided.
- The power conditioning units / inverters should comply with applicable IEC/ equivalent BIS standard for efficiency measurements and environmental tests as per standard codes IEC 61683 and IEC 60068 2(6,21,27,30,75,78).
- The charge controller/ MPPT units should qualify IEC 62093 and IEC 60068 2 (6, 21, 27, 30, 75, 78). The junction boxes/ enclosures should be IP 65(for outdoor)/ IP 54 (indoor) and as per IEC 62208 specifications.
- The PCU/ inverters should be tested from the MNRE approved test centres / NABL /BIS accredited testing- calibration laboratories.
- In case of imported power conditioning units, these should be approved by international test houses.

3.4. INTEGRATION OF PV POWER WITH GRID:

The output power from SPV would be fed to the inverters which converts DC produced by SPV array to AC and feeds it into the main electricity grid after synchronization. In case of grid failure, or low or high voltage, solar PV system shall be out of synchronization and shall be disconnected from the grid. Once the DG set comes into service PV system shall again be synchronized with DG supply and load requirement would be met to the extent of availability of power. 4 pole isolation of inverter output with respect to the grid/ DG power connection need to be provided.

3.5. DATA MONITORING:

The plant parameters shall be measured by using SCADA system to maintain the plant and to study the plant performance. The plant monitoring shall also have,

- **PV array energy production:** Digital Energy Meters to log the actual value of AC/ DC Voltage, Current & Energy generated by the PV system shall have to be provided.
- **Solar Irradiance:** An integrating Pyranometer (Class II or better) shall be provided, with the sensor mounted in the plane of the array. Readout shall be integrated with data logging, system.

- **Wind Speed:** An integrated wind speed measurement unit shall be provided.
- **Temperature:** Temperature probes for recording the Solar panel temperature and ambient temperature shall be provided.

A data logging system for plant control and monitoring shall be provided.

3.6. TRANSFORMER:

Dry type relevant kVA, 11KV/415VA, 50 Hz Step up along with all protections, switchgears, Vacuum circuit breakers, cables etc. along with required civil work, Class(0.5) bidirectional or any other type of Energy Meter be provided as specified by CEA or DISCOM, along with necessary CTs/PTs on 11KV side.

3.7. DISTRIBUTION BOARD

DC Distribution panel is needed to receive the DC output from the array field, with analog measurement panel for voltage, current from different MJBs so as to check any failure in the array field. It shall have MCCBs of suitable rating for connection and disconnection of array sections. DCDB shall be fabricated by CRC Sheet to comply with IP 65 protection.

3.8. POWER CONSUMPTION:

Regarding the generated power consumption, priority need to given for internal consumption first and thereafter any excess power can be exported to grid. Finalization of tariff is not under the purview of SECI or MNRE. Decisions of appropriate authority like DISCOM, state regulator may be referred.

3.9. BATTERY REQUIREMENT :

Installation of battery backup may be required in the case of frequent grid outage conditions. For this any existing backup system (DG/UPS) can be integrated or the bidder can provide small capacity of battery bank to provide signal to function the Inverter. If nominal battery is required for synchronization, bidder may include in his bid cost depending on his design and inverters requirement. Any extra battery for storage etc has to be separate from this bid and will have to be paid for by the user separately.

3.10. PROTECTIONS

The system should be provided with all necessary protections like earthing, Lightning, and grid islanding as follows:

Lightning protection

There shall be the required number of suitable lightning arrestors (ESE) installed in the array area. Lightning protection shall be provided by the use of metal oxide arrestors and suitable earthing such that induced transients find an alternate route to earth. Protection shall meet the safety rules as per Indian Electricity Act 2003/IE rules.

Earthing protection

Each array structure of the PV yard should be grounded/ earthed properly as per IS:3043-1987. In addition the lightning arrester/masts should also be provided inside the array field. Provision should be kept for shorting and grounding of the PV array at the time of maintenance work. All metal casing/shielding of the plant should be thoroughly grounded in accordance with Indian Electricity Act/IE Rules. Earth Resistance shall be tested in presence of the representative of Department/SECI as and when required after earthing by calibrated earth tester. PCU, ACDB and DCDB should also be earthed properly.

Earth resistance shall not be more than 5 ohms. It shall be ensured that all the earthing points are bonded together to make them at the same potential.

The earthing conductor shall be rated for the maximum short circuit current, and shall be 1.56 times the short circuit current. The area of cross-section of conductor shall not be less than 1.6 sq mm in any case.

Grid Islanding:

PV system software and control system shall be equipped with islanding protection. In addition to disconnection from the grid (islanding protection i.e. on no supply) , under and over voltage conditions shall also be provided. PV systems shall be provided with adequate rating fuses, fuses on inverter input side (DC) as well as output side (AC) for overload and short circuit protection and disconnecting switches to isolate the DC and AC system for maintenances as needed. Fuses of adequate rating shall also be provided in each solar array module to protect them against short circuit.

A manual disconnect 4pole isolation switch beside automatic disconnection to grid would have to be provided at utility end to isolate the grid connection by the utility personal to carry out any maintenance. This switch shall be locked by the utility personal.

3.11. CABLES AND CONNECTIONS

- The cables used in the system should be ISI marked PVC or XLPE insulated FRLS armoured Copper conductor. Cables of various sizes as per load requirement for connecting all the modules / arrays to Junction Boxes and from Junction Boxes to DC distribution box and from DC distribution box to inverter. Copper/ Aluminium Cables of appropriate size would be provided from Inverter onwards in A.C. side.
- Only copper wires of appropriate size and of reputed-make shall have to be used. However aluminium cables can be used on A.C side of transmission.

- The permissible voltage drop from the SPV Generator to the Charge controller/inverter shall not be more than 2% of peak power voltage of the SPV power source (generating system).
- All connections should be properly terminated, soldered and/or sealed from outdoor and indoor elements. Relevant codes and operating manuals must be followed. Extensive wiring and terminations (connection points) for all PV components is needed along with electrical connection to lighting loads.
- All the Cu/Al. PVC or XLPE insulated Armoured. Sheathed cables required for the plant will be provided by the manufacturer.

3.12. CEA DRAFT GUIDELINES FOR CONNECTIVITY TO GRID EXPORT ARE GIVEN BELOW.

Following criteria have been suggested for selection of voltage level in the distribution system for ready reference of the solar suppliers.

- In case load is more than 100 kW and does not exceed 1.5 MW, SPV system connection can be made at 11 kV level.
- In case load is more than 1.5 MW PV systems and does not exceed 5 MW, SPV system connection can be made at 11kV/33 kV/66kv level or as per the site condition.

Utilities may have voltage levels other than above, Distribution companies (DISCOM) may be consulted before finalization of the voltage level and specification be made accordingly.

The voltage variation in various power supply system's shall be $\pm 10\%$.

SECTION IV
FORMATS FOR SUBMITTING RFS

Format-1

Covering Letter

(The covering letter should be on the Letter Head of the Bidding Company/Lead Member of the Bidding Consortium)

Ref.No._____Date:_____

From: _____(Insert name and address of Bidding Company/Lead Member of the Bidding Consortium)

Tel.#:

Fax#:

E-mail address#

To

Solar Energy Corporation of India
(A Government of India Enterprise)
NBCC Plaza, Tower-1,4th Floor,
Pushp Vihar, Sector-V, Saket,
New Delhi-110017

Sub: Bid for "Implementation of Grid connected Roof Top Solar PV System Scheme in Selected Cities/States in India"

Dear Sir,

We, the undersigned....[insert name of the 'Bidder'] having read, examined and understood in detail the RFS Document for Implementation of Grid connected Roof Top Solar PV System Scheme in Selected Cities/States in India hereby

submit our Bid comprising of Price Bid and Techno Commercial Bid. We confirm that neither we nor any of our Parent Company / Affiliate/Ultimate Parent Company has submitted Bid other than this Bid directly or indirectly in response to the aforesaid RFS.

1. We give our unconditional acceptance to the RFS, dated.....and RFS Documents attached thereto, issued by Solar Energy Corporation of India, as amended. As a token of our acceptance to the RFS Documents, the same have been initialled by us and enclosed to the Bid. We shall ensure that we execute such RFS Documents as per the provisions of the RFS and provisions of such RFS Documents shall be binding on us.

2. **Bid Bond**

We have enclosed a Bid Bond of Rs.....(Insert Amount), in the form of bank guarantee no.....(Insert number of the bank guarantee) dated.....[Insert date of bank guarantee] as per Formatfrom(Insert name of bank providing Bid Bond) and valid up toin terms of Clauseof this RFS. The offered quantum of power by us is.....Kwp (Insert total capacity offered).

3. We have submitted our Price Bid strictly as per Section V of this RFS, without any deviations, conditions and without mentioning any assumptions or notes for the Price Bid in the said format.

4. **Acceptance**

We hereby unconditionally and irrevocably agree and accept that the decision made by Solar Energy Corporation of India in respect of any matter regarding or arising out of the RFS shall be binding on us. We hereby expressly waive any and all claims in respect of Bid process.

We confirm that there are no litigations or disputes against us, which materially affect our ability to fulfil our obligations with regard to execution of projects of capacity offered by us.

5. **Familiarity with Relevant Indian Laws & Regulations**

We confirm that we have studied the provisions of the relevant Indian laws and regulations as required to enable us to submit this Bid and execute the RFS Documents, in the event of our selection as Successful Bidder. We further undertake and agree that all such factors as mentioned in RFS have been fully examined and considered while submitting the Bid.

6. **Contact Person**

Details of the contact person are furnished as under:

Name :
Designation :
Company :
Address :
Phone Nos. :
Fax Nos. :
E-mail address :

7. We are enclosing herewith the Techno Commercial Bid (Envelope I) and Price Bid (Envelope II) containing duly signed formats, each one duly sealed separately, in one (1) original +.....(.....) [Insert number] copies (duly attested) as desired by you in the RFS for your consideration.
8. It is confirmed that our Bid is consistent with all the requirements of submission as stated in the RFS and subsequent communications from Solar Energy Corporation of India.
9. The information submitted in our Bid is complete, strictly as per the requirements stipulated in the RFS and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid.
10. We confirm that all the terms and conditions of our Bid are valid for acceptance for a period offrom the Bid Deadline.
11. We confirm that we have not taken any deviation so as to be deemed non-responsive.

Dated the _____ day of _____, 20....

Thanking you,
We remain,

Yours faithfully,

Name, Designation and Signature of Authorized Person in whose name Power of Attorney/Board Resolution as per Clause.....is issued.

BID CAPACITY DETAILS

Sl. No	Name of the Cities	Bid Capacity	Projects Identified, if any
1	Bhubaneswar / Cuttack		
2	Gurgaon		
3	Hyderabad		
4	Jaipur		
5	Noida/ Greater Noida		
6	Raipur/ Naya Raipur		

**(Signature of Authorized Signatory)
With Seal**

GENERAL PARTICULARS OF THE BIDDER

1.	Name of the Company	
2.	Registered Office Address	
3.	Telephone, Telex, Fax No	
4.	E-mail	
5.	Web site	
6.	Authorized Contact Person(s) with name, designation and Mobile Phone No. to whom all references shall be made	
7.	Year of Incorporation	
8.	Name of the Article in the Memorandum and Article of Association where Solar Business activity is mentioned.	
9.	Name and address of the Indian/foreign Collaboration if any	
10.	Have the bidder/Company ever been debarred By any Govt. Dept. / Undertaking for undertaking any work.	
11.	Reference of any other information attached by the Applicant (please Mention no. of pages)	
12.	Details of the Ownership structure (Details of persons owning 10% or more of the Total Paid up equity of the Bidding Company/Lead Member in the prescribed below Format-A)	

Format-A

Name of the equity holding	Type and Number of shares owned	% of equity holding

**(Signature of Authorized Signatory)
With Seal**

DECLARATION BY THE BIDDER

(To be submitted by the Bidder or Lead Member of the Consortium on its letter head)

I. We(Hereinafter referred to as Bidder) being desirous of Bidding for the work, under this tender and having fully understood the nature of the work and having carefully noted all the terms and conditions, specifications etc. as mentioned in the tender document do hereby declare that-

1. The Bidder is fully aware of all the requirements of the tender document and agrees with all provisions of the tender document and accepts all risks, responsibilities and obligations directly or indirectly connected with the performance of the tender.
2. The Bidder is fully aware of all relevant data regarding the proposed place of work/site, its local environment, approach road and connectivity, actual prevailing working conditions, availability of required materials and labour and all other necessary information required for proper completion of the proposed work.
3. The Bidder is capable of executing and completing the work as required in the tender and is financially solvent and sound to execute the tendered work. The Bidder is sufficiently experienced and competent to perform the contract to the satisfaction of SECI . The Bidder gives the assurance to execute the bid work as per specifications, terms and conditions of the tender on award of work.
4. The Bidder has no collusion with other Bidders, any employee of SECI or with any other person or firm in the preparation of the tender.
5. The Bidder has not been influenced by any statement or promises by SECI or any of its employees but only by the tender document.
6. The Bidder is familiar with all general and special laws, acts, ordinances, rules and regulations of the Municipal, District, State and Central Government that may affect the work, its performance or personnel employed therein.
7. The Bidder has never been debarred or black listed by any Government undertaking /Department where the order of debar or blacklisting, as the case may be is in force at the time of submission of Bid (An undertaking on Stamp paper in this regard shall be submitted).
8. All the information and the statements submitted with the Bid are true and no information has been concealed by the Bidder.
9. The Bidder unconditionally acknowledge and accept that

- i. While these documents has been prepared in good faith, neither the nor its employees or advisors make any representation, or warranty, express or implied or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of information and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of the information, even if any loss or damage is caused by any act or omission on their part”.
- ii. “The Bidder shall make independent enquiry and satisfy itself with respect to all the required information, inputs, conditions and circumstances and factors that may have any effect on his Bid. While submitting the tender the Bidder shall be deemed to have inspected and examined the conditions examined the laws and regulations in force in India, the transportation facilities available in India, the conditions of roads, bridges, ports etc for unloading and/or transporting of material and has based its design, equipment size and fixed its price taking into account all such relevant conditions and also the risks, contingencies and other circumstances which may influence or affect the supply of the products. Accordingly, Bidder Bidder acknowledges that, on being selected as Successful, the Bidder shall not be relieved from any of its obligations nor shall the Bidder be entitled to any extension of time or financial compensation by reason of the unsuitability of anything for whatever reason.

PROFORMA FOR BANK GUARANTEE FOR BID BOND

(On Non-Judicial stamp paper of appropriate value)

Ref.:

Date:

Bank Guarantee No.:

To,

Solar Energy Corporation of India
NBCC Plaza, Tower – 1, 4th Floor,
Pushp Vihar, Saket,
New Delhi-110017.

Dear Sir,

In accordance with Invitation of Bids under Bid document No. M/S..... having its Registered/Head Office at(^).....(hereinafter called the "Bidder") who wishes to participate in the said tender for implementation of Grid connected Roof Top Solar PV System Scheme in selected Cities/States in India as per tender specification.

We, the.....[Name & Address of the bank].....and having our Head Office at.....(#)..... Guarantee and undertake to pay immediately on demand by [Solar Energy Corporation of India] hereinafter called the 'SECI'..... the amount of (*).....without any reservation, protest, demand and recourse to the extent of the said sum of Rs. (Rupees.....only). Any such demand made by the 'SECI' shall be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder.

This guarantee shall be irrevocable and shall remain valid up to (@)..... . If any further extension of this guarantee is required, the same shall be extended to such required period on receiving instructions from M/s [Bidder's name].....on whose behalf this guarantee is issued.

In witness whereof the Bank, through its authorised officer, has set its hand and stamp on thisday of20.....at.....

Witness:

1.

(Signature)

.....

(Signature)

(Name).....

....

.....

(Name)

(Designation with
Bank

Seal).....

.....

(Official Address)

Stamp.....

Attorney as per Power of
No.....

.....

Date.....

.....

Note:

1. (*) The amount shall be as specified in the Bid document.
(#) Complete mailing address of the Head Office of the Bank to be given.
(@) This date shall be Six months from the date of Techno-Commercial bid opening.
2. The Bank Guarantee shall be from a Bank as per as define in **Clause 1.11** of the Bid Document
3. The Stamp Paper of appropriate value shall be purchased in the name of guarantee issuing Bidder/bank issuing the guarantee.

PERFORMANCE SECURITY FORMAT

(To be stamped in accordance with Stamp Act if any, of the Country of the Issuing Bank)

Bank Guarantee No. :.....

Date:.....

To

Solar Energy Corporation of India
NBCC Plaza, Tower -1,
4th Floor, Pushp Vihar,
Sector V, Saket,
New Delhi-110017.

Dear Sirs,

In consideration of the[Solar Energy Corporation of India].....(hereinafter referred to as the 'SECI' which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators and assigns) having awarded to M/s[Contractor's Name]with its Registered/Head Office at(hereinafter referred to as the 'Contractor', which expression shall unless repugnant to the context or meaning thereof, include its successors administrators, executors and assigns), a Contract by issue of SECI's Notification of Award No.dated.....and the same having been unequivocally accepted by the Contractor, resulting into a Contract bearing No.....dated.....valued atforand the Contractor having agreed to provide a Contract Performance Guarantee for the faithful performance of the entire Contract equivalent to(*)% (.....percent) of the said value of the Contract to the SECI.

We.....[Name & Address of the Bank].....having its Head Office at.....(hereinafter referred to as the 'Bank', which expression shall, unless repugnant to the context or meaning thereof, include its successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the SECI, on demand any and all monies payable by the Contractor to the extent of(*).....as aforesaid at any time upto.....(@).....[days/month/year] without any demur, reservation, contest, recourse or protest and/or without any reference to the Supplier. Any such demand made by the SECI on the Bank shall be conclusive and binding notwithstanding any difference between the SECI and the Contractor or any dispute

pending before any Court, Tribunal, Arbitrator or any other authority. The Bank undertakes not to revoke this Guarantee during its currency without previous consent of the SECI and further agrees that the Guarantee herein contained shall be enforceable as per the provisions of the Bid document including all amendments thereto.

The SECI shall have the fullest liberty, without affecting in any way the liability of the Bank under this Guarantee, from time to time to extend the time for performance of the Contract by the Contractor. The SECI shall have the fullest liberty, without affecting this Guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Contractor, and to exercise the same at any time in any manner, and either to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the SECI and the Contractor or any other course or remedy or security available to the SECI. The Bank shall not be released of its obligations under these presents by any exercise by the SECI of its liberty with reference to the matters aforesaid or any of them or by reason of any other act or forbearance or other acts of omission or commission on the part of the SECI or any other indulgence shown by the SECI or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the Bank.

The Bank also agrees that the SECI at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Contractor and notwithstanding any security or other guarantee that the SECI may have in relation to the Contractor's liabilities.

Notwithstanding anything contained hereinabove our liability under this Guarantee is restricted to(*).....and it shall remain in force upto and including.....(@).....and shall be extended from time to time for such period, as may be desired by M/s.....[Contractor's Name].....on whose behalf this Guarantee has been given.

Dated this.....day of20.....at.....

Witness:

.....
(Signature).....
(Signature)

.....
(Name).....
(Name)

.....
(Designation with Bank Stamp).....
(Official Address)

Attorney as per Power of Attorney

No.....

Dated.....

Notes:

1.The stamp papers of appropriate value shall be purchased in the name of guarantee issuing Bank or the party on whose behalf for BG is being issued. The Bank Guarantee shall be issued on a stamp paper of value as applicable in the State of India from where Bank Guarantee is issued or the State of India from where BG shall be operated, whichever is higher.

2. (*) The amount shall be as specified in the Bid documents.

(#) Complete mailing address of the Head Office of the Bank to be given.

(@)The Bank Guarantee shall be from a Bank as per provisions of Clause 1.12, of the Bid Documents including all Amendments thereto.

CHECK LIST FOR BANK GUARANTEES

SI.No.	Details of checks	YES/NO.
a)	Is the BG on non-judicial Stamp paper of appropriate value, as per applicable Stamp Act of the place of execution	
b)	Whether date, purpose of purchase of stamp paper and name of the purchaser are indicated on the back of Stamp paper under the Signature of Stamp vendor? (The date of purchase of stamp paper should be not later than the date of execution of BG and the stamp paper should be purchased either in the name of the executing Bank or the party on whose behalf the BG has been issued. Also the Stamp Paper should not be older than six months from the date of execution of BG).	
c)	Has the executing Officer of BG indicated his name, designation and Power of Attorney No./Signing Power no. on the BG?	
d)	Is each page of BG duly signed / initialled by executant and whether stamp of Bank is affixed thereon? Whether the last page is signed with full particulars including two witnesses under seal of Bank as required in the prescribed Performa?	
e)	Does the Bank Guarantees compare verbatim with the Performa prescribed in the Bid Documents?	
f)	Are the factual details such as Bid Document No. / Specification No., / LOI No. (if applicable) / Amount of BG and Validity of BG correctly mentioned in the BG	
i)	Whether overwriting/cutting if any on the BG have been properly authenticated under signature & seal of executant?	

POWER OF ATTORNEY

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution.)

(a) Power of Attorney to be provided by the Bidding Company / Lead Member in favour of its representative as evidence of authorized signatory's authority.

Know all men by these presents, We
(name and address of the registered office of the Bidding Company or Lead Member of the Bidding Consortium, as applicable) do hereby constitute, appoint and authorize Mr./Ms. (name & residential address) who is presently employed with us and holding the position of as our true and lawful attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of our Bid for implementation of grid connected Roof top solar PV scheme in selected cities/states in India (PHASE-II) in response to the NIT No dated issued by Solar Energy Corporation of India (SECI), New Delhi including signing and submission of the Bid and all other documents related to the Bid, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document which the SECI may require us to submit. The aforesaid Attorney is further authorized for making representations to the Solar Energy Corporation of India, New Delhi and providing information / responses to SECI, New Delhi representing us in all matters before SECI, New Delhi and generally dealing with SECI, New Delhi in all matters in connection without Bid till the completion of the bidding process as per the terms of the above mentioned NIT.

We hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the NIT.

Signed by the within named
..... (Insert the name of the executant
company)
through the hand of
Mr.
duly authorized by the Board to issue such Power of Attorney

Dated this **day of**

Accepted
.....
Signature of Attorney
(Name, designation and address of the Attorney)

Attested
.....
(Signature of the executant)
(Name, designation and address of the executant)

.....
Signature and stamp of Notary of the place of execution

Common seal of **has been affixed in my/our presence pursuant**
to Board of Director's Resolution dated.....

WITNESS

1.
(Signature)

Name.....

Designation

2.
(Signature)

Name.....

Designation

Notes:

- (1) The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.
- (2) The person authorized under this Power of Attorney, in the case of the Bidding Company / Lead Member being a public company, or a private company which is a subsidiary of a public company, in terms of the Companies Act, 1956, with a paid up share capital of more than Rupees Five crores, should be the Managing Director / whole time director/manager appointed under section 269 of the Companies Act, 1956. In all other cases the person authorized should be a director duly authorized by a board resolution duly passed by the Company.
- (3) Also, wherever required, the executant(s) should submit for verification the extract of the chartered documents and documents such as a Board resolution / power of attorney, in favour of the person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).

CONSORTIUM AGREEMENT

(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution)

THIS Consortium Agreement (“Agreement”) executed on this _____ day of _____ 2013 between M/s [insert name of Lead Member] _____ a Company incorporated under the laws of _____ and having its Registered Office at _____ (hereinafter called the “Member-1”, which expression shall include its successors, executors and permitted assigns) and M/s _____ a Company incorporated under the laws of _____ and having its Registered Office at _____ (hereinafter called the “Member-2”, which expression shall include its successors, executors and permitted assigns), which expression shall include its successors, executors and permitted assigns), for the purpose of submitting response to RFS for Implementation of Grid Connected Roof Top Solar PV System Scheme in selected Cities/States in India (PHASE-II), and execution of Tender (in case shortlisted), against RFS dated _____ issued by “SECI”, a section -25 Company incorporated under the [Company’s Act, 1956, and administered by “Ministry of New and Renewable Energy”].

WHEREAS, each Member individually shall be referred to as the “Member” and both the Members shall be collectively referred to as the “Members” in this Agreement.

WHEREAS, the SECI has invited response to RFS for Implementation of Grid Connected Roof Top Solar PV System Scheme in selected Cities/States in India (PHASE-II) vide its RFS dated _____

WHEREAS the RFS stipulates that in case response to RFS is being submitted by a Consortium, the Members of the Consortium will have to submit a legally enforceable Consortium Agreement in a format specified by “SECI” wherein the Consortium Members have to commit that in case of default by lead member to fulfill the obligations for implementation of Grid connected rooftop solar PV system as per the technical specification decided by “SECI” then the penalty imposed on Lead member shall be transferred to the other member as well.

NOW THEREFORE, THIS AGREEMENT WITNESSTH AS UNDER:

In consideration of the above premises and agreements all the Members in this Consortium do hereby mutually agree as follows:

1. We, the Members of the Consortium and Members to the Agreement do hereby unequivocally agree that Member-1 (M/s _____), shall act as the

Lead Member as defined in the RFS for self and agent for and on behalf of Member-2,-----

2. The Lead Member is hereby authorized by the Members of the Consortium and Members to the Agreement to bind the Consortium and receive instructions for and on their behalf.
3. The Lead Member shall be liable and responsible for ensuring the individual and collective commitment of each of the Members of the Consortium in discharging all of their respective obligations. Each Member further undertakes to be individually liable for the performance of its part of the obligations without in any way limiting the scope of collective liability envisaged in this Agreement.
4. In case of any breach of any commitment by any of the Consortium Members, the Lead Member shall be liable for the consequences thereof.
5. This Agreement shall be construed and interpreted in accordance with the Laws of India and courts at Delhi alone shall have the exclusive jurisdiction in all matters relating thereto and arising there under.
6. It is hereby further agreed that in case of being shortlisted, the Members do hereby agree that they shall abide by the terms & conditions of this RFS floated by SECI.
7. It is further expressly agreed that the Agreement shall be irrevocable and shall form an integral part of the RFS submitted to SECI and shall remain valid till completion of the job assigned to the contractor including commissioning and O&M for 2 years.
8. The Lead Member is authorized and shall be fully responsible for the accuracy and veracity of the representations and information submitted by the Members respectively from time to time in the response to RFS and the Tender.
9. It is hereby expressly understood between the Members that no Member at any given point of time, may assign or delegate its rights, duties or obligations under this agreement without the explicit permission of SECI
10. This Agreement
 - (a) Has been duly executed and delivered on behalf of each Member hereto and constitutes the legal, valid, binding and enforceable obligation of each such Member;
 - (b) Sets forth the entire understanding of the Members hereto with respect to the subject matter hereof; and
 - (c) May not be amended or modified except in writing signed by each of the Members and with prior written consent of SECI.

IN WITNESS WHEREOF, the Members have, through their authorised representatives, executed these present on the Day, Month and Year first mentioned above.

For M/s-----[Member 1]

(signature, Name & Designation of the person authorized vide Board Resolution Dated [●])

Witnesses:

1) Signature-----

2) Signature -----

Name:

Name:

Address:

Address:

For M/s-----[Member 2]

(signature, Name & Designation of the person authorized vide Board Resolution Dated [●])

Witnesses:

FINANCIAL ELIGIBILITY CRITERIA REQUIREMENT (AS PER CLAUSE 1.3.4)

To,

Solar Energy Corporation of India
 (A Government of India Enterprise)
 NBCC Plaza, Tower-1,4th Floor,
 Pushp Vihar, Sector-V,
 Saket, New Delhi-110017

Dear Sir,

Sub: Bid for Implementation of Grid connected Roof Top Solar PV System scheme in selected Cities/States in India in response to the RFS.....dated.....

We submit our Bid/Bids for the total capacity ofMW(Insert total offered capacity in MW; for Bids for which we submit details of our Financial Eligibility Criteria Requirements.

City	Offered Capacity in KWP
1Kwp
2Kwp
....	
TotalKwp

We certify that the Financially Evaluated Entity (ies) had an Average Annual Turnover (Preceding three financial years) / Net worth (strike out whichever is not applicable) of Rs.....Crore computed as per instructions provided in Clause 1.3.4 of this RFS based on unconsolidated audited annual accounts (refer Note-1 below) of the last three (3) financial years/any of the last 3 Years immediately preceding the Bid Deadline.

Name of Financially Evaluated Entity*	Relationship with Bidding Company**	Average Annual Turnover (Preceding three financial years) / Networth # (Rs. Crore)	Financial Year

1			
2			
3			
Total			
Average Annual Turnover (Preceding three financial years) / Net worth			

* The Financially Evaluated Entity may be the Bidding Company itself.

** The column for "Relationship with Bidding Company" is to be filled in only in case financial capability of Parent Company and/or Affiliate has been used for meeting Qualification Requirements.

In case a Bidder offers capacity for more than one city, the Net worth shall be computed and evaluated on the basis of the sum total of the capacities offered by the Bidder.

Yours faithfully

(Signature and stamp (on each page) of Authorized Signatory of Bidding Company.

Name:

Date:

Place:

(Signature and stamp (on each page) of Statutory Auditors of Bidding Company.

Name:

Date:

Place:

Notes:

1. Along with the above format, in a separate sheet, please provide details of computation of Average Annual Turnover/Net worth duly certified by Statutory Auditor.
2. Audited consolidated annual accounts of the Bidder may also be used for the purpose of financial criteria provided the Bidder has at least 26% equity in each company whose accounts are merged in the audited consolidated accounts and provided further that the financial capability of such companies (of which accounts are being merged in the consolidated accounts) shall not be considered again for the purpose of evaluation of the Bid.

Format for certificate of relationship of Parent Company or Affiliate with the Bidding Company or with the Member of the Bidding Consortium, including the Lead Member.

To,

.....

Dear Sir,

Sub: Bid for Implementation of Grid connected Roof Top Solar PV System Scheme in selected Cities/States in India.

We hereby certify that M/s.....,M/s.....,M/s.....are the Affiliate(s) /Parent Company of the Bidding Company/Member of the Bidding Consortium as per the definition of Affiliate/Parent Company as provided in this RFS and based on details of equity holding as on seven (7) days prior to the Bid Deadline.

The details of equity holding of the Affiliate/Parent Company/Bidding Company/Member of the Consortium* or vice versa as on seven (7) days prior to the Bid Deadline are given as below:

Name of Bidding Company/Member of Bidding Consortium	Name of the Affiliate of the Bidding Company/ Name of the Parent Company of the Bidding Company*/ Member of the Bidding Consortium*	Name of the Company having common control on the Affiliate and the Bidding Company/ Member of Bidding Consortium*	Percentage of Equity Holding of Parent Company in the Bidding Company/Bidding Company or Bidding Consortium in Affiliate.

*Strike out whichever is not applicable.

.....

(Insert Name and Signature of Statutory Auditor or practising Company Secretary of the Bidder)

Undertaking from the Financially Evaluated Entity or its Parent Company/ Ultimate Parent Company

(On the Letter Head of the Financially Evaluated Entity or its Parent Company/Ultimate Parent Company)

Name:
Full Address:
Telephone No.:
E-mail address:
Fax/No.:

To,
.....

Dear Sir,

We refer to the RFS No.....dated.....for “Implementation of Grid connected Roof Top Solar PV System Scheme in selected Cities/States in India”.

“We have carefully read and examined in detail the RFS, including in particular, Clauseof the RFS, regarding submission of an undertaking, as per the prescribed Format at Annexure.....of the RFS.

We confirm that M/s.....(Insert name of Bidding Company/Consortium Member) has been authorized by us to use our financial capability for meeting the Financial Eligibility as specified in Clause....of the RFS referred to above.

We have also noted the amount of the Performance Guarantee required to be submitted as per Clause....of the RFS the(Insert the name of the Bidding Company) in the event of it being selected as the Successful Bidder”.

In view of the above, we hereby undertake to you and confirm that in the event of failure of(Insert name of the Bidding Company) to submit the Performance Guarantee in full or in part at any stage, as specified in the RFS, we shall submit the Performance Guarantee not submitted by(Insert name of the Bidding Company)”.

We have attached hereto certified true copy of the Board Resolution Whereby the Board of Directors of our Company has approved issue of this Undertaking by the Company.

All the terms used herein but not defined, shall have the meaning as ascribed to the said terms under the RFS.

Signature of Chief Executive Officer/Managing Director

Common seal ofhas been affixed in my/our presence pursuant to Board of Director’s Resolution dated.....

WITNESS

- 1.
(Signature)
Name.....
Designation.....

- 2.
(Signature)
Name.....
Designation.....

SECTION V

PRICE BID

Date: _____

1. RFS No: SECI/Cont./SRT-II/58/2013 for Selected City _____

2. Proposed Capacity in bid _____

Sr.No	Description	Name of the City	Total Project cost inclusive of all as per bid document (Rs./Wp) (A)	Subsidy{30% of (A)Total Project Cost} (Rs./Wp) (B)
1.	Design, Manufacturing, Supply, Erection, Testing & Commissioning including trail Operation, Operation & maintenance for a period of 2 years including Power Evacuation System and cost of replacement of all the parts, covered under Guarantee period for a period of 2 years from the date of commissioning of Roof top Solar PV system in Cities/states in India.			

Rupees in words per watt peak		
--------------------------------------	--	--

Yours faithfully,

Date: ** (Signature).....

Place: (Printed Name).....

Business Address: (Designation).....

Country of Incorporation: (Common Seal).....

(State or Province to be indicated)

Locations suggested by CREDA

1. Trade centre (1, 2), CSIDC, Naya Raipur, village Tuta, Distt-Raipur.
2. Capital complex NRDA, Village Kohera, Distt-Raipur.
3. Education Park, Naya Raipur Village Tuta, district Raipur.

Locations suggested by RRECL**Details of Govt. Deptt. identified for establishing solar PV system on Net Metering basis**

Sr. No	SDO Code	Binder	Acc. No.	Name of Govt. Buildgs.	Address	Traiff Code	Voltage Level	Sanctioned load (KV)	Total no. of units consumed during 2010-11	80% of units consumed during 2010-11	Roof Area in Sq. M	Proposed Capacity (KW)
1	2312	311	46	DIRECTOR SCIENCE AND TECH	RAJASTHAN SHASTRI NAGAR, JAIPUR	2011 A	HT	70	72816	58252.80	1500	100
2	2312	311	57	THE DIRECTOR FSL	RAJ POLICE ACADEMY NEHRU NAGAR	2011 A	HT	200	155279	124223.20	2000	100
3	2317	692	346	CHEF ENG. PHED (H.o) JAL BHAWAN	JACOB RAOD, JAIPUR	2011 A	HT	400	309099	247279.20	2000	100
4	2321	692	789	ADHISHASHI ENGINEER	RAJAY KRISHI VIPANAN BORD KISHAN BHAWAN LAL KOTHI	2011 A	HT	190	80148	64118.40	850	50
5	2321	692	757	SECRETARY, JDA	PRITHVIRAJ ROAD, JAIPUR	2011 A	HT	115	272832	218265.60	2189	100
6	2321	692	116	CHIEF TOWN PLANNER	JDA CAMPUS	2011 a	HT	148	38563	30850.40	1194	50
7	2321	692	104	RAJASTHAN	JAIPUR	2011	HT	350	331983	265586.40	1300	50

				HOUSING BOARD		A						
8	2322	692	188	DIRECTOR AGRICULTURE	JAIPUR	2011 A	HT	1100	614190	491352.00	3000	150
9	2334	692	10	ADDITIONAL DIRECTOR GPF & STATE INSURANCE	BEEMA BHAWAN, JAIPUR	2011 A	HT	159	163852	131081.60	1800	100
10	2334	692	22	SESSION JUDGE MINI SECRETARIAL	COLLECTORY CIRCLE, JAIPUR	2011 A	HT	157.5	65540	52432.00	1700	100
11	2342	392	68	MANAGER RAVINDRA MUNCH	INFO N/A JAIPUR	2010 A	HT	124	38233	30586.40	1000	50
12	2343	692	719	PRADESHIK PARIWAHAN RTO OFFICE	JHALANA DOONGRI JAIPUR	2011 A	HT	148	84232	67385.60	1600	100
13	2343	692	378	XEN. POLLUTION CONTROL BOARD	JHALANA DOONGRI JAIPUR	2011 A	HT	113	192641	154112.80	1700	100
14	2317	692	320	XEN. PWD NIRMAN BHAWAN	JACOB RAOD, JAIPUR	2011 A	HT	666	774840	619872.00	1500	100
15	2343	692	777	REGINAL PASSPORT OFFICE	JHALANA DOONGRI JAIPUR	2011 A	HT	283	201756	161404.80	1200	50
16	2343	692	789	DY. COMMISSIONER (TAX)	DIVISIONAL TAX BUILDING J-12,	2011 A	HT	300	272934	218347.20	1000	50

					INSTITUTIONAL AREA								
17	2343	692	701	G M RSRDV BRIJ CORPORATION	JHALANA DOONGRI JAIPUR	2011 A	HT	96.7	80250	64200.00	8000	200	
18	2372	392	46	DIRECTOR OF SURVEY	19 SEC 10 VIDHADHAR NAGAR, JAIPUR	2011 B	HT	133	138186	110548.80	800	100	
19	2334	692	770	INCHARGE JUDICIAL	SACHIVALAY COLLECTRAT E, JAIPUR	2011 A	HT	250	158960	127168.00	1500	100	
20	2343	692	709	REGISTRAR MNIT	MNIT JLN MARG JAIPUR	2011 A	HT	500	390250	312200.00	15000	1000	
21	2322	892	13	CHIEF ENGINEER IGNP	IGNP BHAWANI SINGH ROAD	2010 A	HT	60	69939	55951.20	1000	50	
22	2322	692	184	THE GOVT. PRESS	THE GOVT. PRESS, JAIPUR	2010 A	HT	107	98664	78931.20	1500	100	
23	2322	692	698	THE COMMISSION ER COM. TAXES	NEAR HIGH COURT JAIPUR	2011 A	HT	162	281268	225014.40	1500	100	
24	2323	792	245	THE DIRECTOR MAHILA BAL VIKAS	NEAR GIRLS SCHOOL, GANDHI NAGAR, JAIPUR	2010 A	HT	84	903309	722647.20	1000	50	
25	2334	692	725	ADHISHASI ABHIYANTA PWD	DAK BUNGLOW PWD GOPAL	2011 A	HT	150	87962	70369.60	1500	100	

					BARI JAIPUR								
26	2321	692	121	THE COMMISSION ER REGL	PF BUILDING VIDYUT MARG JAIPUR	2010 B	HT	80	160082	128065.60	1000	50	
27	2343	692	373	DY. GENERAL GROUND SURVEY (GSI)	OPP TV STATION JHALANA DOONGRI, JAIPUR	2011 B	HT	1548	643360	514688.00	3000	200	
28	2323	792	222	DIRECTOR VALUATION	SICHAJ BHAWAN JLN MARG JAIPUR	2011 A	HT	203	183432	146745.60	2500	150	
29	2323	792	217	INDIRA GANDHI PANCHAYATI RAJ	NEAR JKK JLN MARG, JAIPUR	2011 B	HT	150	250975	200780.00	1500	100	
30	2322	692	203	DIRECTOR MEDICAL & HEALTH	BEHIND SECRETARIA T C SCHEME JAIPUR	2011 A	HT	600	654400	523520.00	2250	150	
31	2322	692	198	DY. MANAGER (MATERIAL) RSSMML	KHANJI BHAWAN TILAK MARG JAIPUR	2011 A	HT	151	199368	159494.40	1500	100	
32	2323	792	219	THE DIRECTOR JAWAHAR KALA KENDRA	OPP. COMMERCE COLLEGE JLN MARG JAIPUR	2011 A	HT	380	354420	283536.00	1500	100	
33	2343	692	384	DIRECTOR CENTRAL GROUND	6 A JHALANA DOONGRI, JAIPUR	2011 B	HT	160	63719	50975.20	1500	100	

				WATER BOARD									
34	2351	692	754	RAJKIYA SANGRAHALA YA	NEAR HAWA MAHAL, JAIPUR	2011 A	HT	187		0.00	1500	100	
35	2323	792	239	KHADI GRAMODHYO G BOARD	BEHIND TELEPHONE EXCHANGE BAJAJ NAGAR	2011 A	HT	54	79186	63348.80	1000	50	
36	2312	311	294	ASSISTANT DIRECTOR RPA	RPA SHASTRI NAGAR, JAIPUR	2011 A	HT	200	71202	56961.60	2000	100	
37	2321	692	728	COMMISSIONER NAGAR NIGAM, JAIPUR	NNJ TONK ROAD, JAIPUR	2011 A	HT	430	549930	439944.00	3000	200	
38	2322	692	683	THE COMMISSIONER INCOME TAX	STATUE CIRCLE C SCHEME, JAIPUR	2011 B	HT	791	1382800	1106240.00	2500	150	
39	2343	692	707	THE DIRECTOR CENSUS	JHALANA DOONGRI JAIPUR	2011 B	HT	160	190119	152095.20	1500	100	
40	2333	692	327	THE SENIOR POST MASTER	GPO MI ROAD JAIPUR	2011 B	HT	75	182556	146044.80	1000	50	
41	2322	692	189	THE MEMBER SECRETARY SAHAKAR BHAWAN	BHAWANI SINGH ROAD, JAIPUR	2011 A	HT	500	546116	436892.80	2250	150	
							Total	11735.2	11389391	9111512.80	86833	5000	

DOCUMENTS REQUIRED FOR PROJECT SANCTION

Following documents will be required to be submitted for project sanction:

1. Project Report.
2. Agreement between the bidder and the owner of the Project/Building (Notarised original agreement copy should be enclosed).
3. No Objection Certificate from the concerned DISCOM for grid connectivity.